

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

C Number:	C55798B
Lock Date:	01/24/1994
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	10/24/1995

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 1	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: MA913451

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 4-3]			
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Angiectasis	Focal, Mild
		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Focal, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-12]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-9A]			
* Prostate		Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 1	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: MA913451
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thyroid Gland	Follicle C Cell	Cyst Hyperplasia	Mild Focal, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 2	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 520 HISTO: MA913452
---------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
		Cardiomyopathy	Moderate
* Kidney	Bilateral	Leukemia Mononuclear	
* Liver		Nephropathy	Chronic, Mild
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-2,3]	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Minimal
		[Leukemia Mononuclear TGLS = 4-3A]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Chronic Active, Moderate
		Note: THE INFLAMMATORY REACTION INVOLVING THE NASAL MUCOSA INCLUDES FUNGAL HYPHAE.	
* Pancreas	Acinus	Atrophy	Diffuse, Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Marked
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 2	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 520 HISTO: MA913452
---------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS			
* Stomach, Glandular [Erosion TGLS = 5-15,15A]		Erosion	Focal, Mild
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus	Thymocyte Epithel Cell	Atrophy Hyperplasia	Marked Mild

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
-------------------------------	-------------------------------

Animal Note: CARCASS THIN, TGL 1- NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 3	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: MA913453
---------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
	Atrium, Epicardium	Hyperplasia	Focal, Mild
	Atrium, Epicardium	Pigmentation	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 3-12]		
* Lung	Interstitial	Inflammation	Chronic, Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Hypertrophy	Focal, Minimal
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Moderate
* Skin	Subcut Tiss	Fibroma	
	Note: THE FIBROMA OF THE SUBCUTIS CORRESPONDS TO THE MASS DESCRIBED FOR MAMMARY GLAND ON THE INDIVIDUAL ANIMAL NECROPSY RECORD.		
	[Fibroma TGLS = 1-12]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-9]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 3

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913453

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	Bilateral, C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 4	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: MA913454
---------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Angiectasis	Focal, Moderate
		Leukemia Mononuclear	
[Angiectasis TGLS = 7-13]			
[Leukemia Mononuclear TGLS = 8-8]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-13]			
[Leukemia Mononuclear TGLS = 6-12]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-5]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland	Bilateral	Inflammation	Chronic, Moderate
* Prostate		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 5	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: MA913455
---------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Lymph Node, Mandibular		Degeneration	Cystic, Moderate
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Nose		Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Preputial Gland	Bilateral	Inflammation	Chronic, Minimal
* Prostate		Atrophy	Marked
* Seminal Vesicle		Atrophy	Mild
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 1-12]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-8]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-9]		
* Thymus	Thymocyte	Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 6	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: MA913456
---------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Bone Marrow		Myelofibrosis	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Pigmentation	Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland	Bilateral	Inflammation	Chronic, Minimal
* Prostate		Atrophy	Minimal
* Salivary Glands	Duct, Sublingul GI	Hyperplasia	Focal, Mild
* Seminal Vesicle		Atrophy	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-9]			
* Thymus	Thymocyte	Atrophy	Moderate
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 7	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: MA913457
---------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Adenoma Hyperplasia Leukemia Mononuclear	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland [Fibroadenoma TGLS = 1-12, 2-13]		Fibroadenoma	Multiple
Mesentery [Necrosis TGLS = 5-14]	Fat	Necrosis	Moderate
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen [Leukemia Mononuclear TGLS = 6,7-8]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 4-9] [Atrophy TGLS = 3-9]	Bilateral, Interstit Cell Bilateral, Germinal Epith	Adenoma Atrophy	Marked
* Thymus	Thymocyte	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913457

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 8

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913458

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Adrenal Medulla		Leukemia Mononuclear	
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLS = 5-3]		
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6,7-8]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Preputial Gland		Hyperplasia	Focal, Moderate
		Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Mild
* Skin	Pinna	Schwannoma Malignant	
	[Schwannoma Malignant TGLS = 1-12]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3,4-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 8	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: MA913458
---------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS			
* Testes [Adenoma TGLS = 2-9]	Bilateral, Interstit Cell	Adenoma	
* Thymus	Epithel Cell	Hyperplasia Leukemia Mononuclear	Mild

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913459

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Marked
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Bilateral	Liposarcoma	
	[Liposarcoma TGLS = 5-7]	Nephropathy	Chronic, Moderate
* Liver		Eosinophilic Focus	
	[Leukemia Mononuclear TGLS = 6-8]	Leukemia Mononuclear	
* Lymph Node, Mandibular		Degeneration	Cystic, Moderate
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Nose		Inflammation	Chronic Active, Moderate
		Metaplasia	Squamous, Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Focal, Mild
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Moderate
* Skin		Basal Cell Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 9	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: MA913459
---------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

[Basal Cell Adenoma TGLS = 2-12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,3-9]			
* Thymus	Epithel Cell	Hyperplasia Leukemia Mononuclear	Mild

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913460

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Moderate
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	Minimal
	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
	[Leukemia Mononuclear TGLS = 6-8]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-12]		
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 3-13]		
* Pancreas	Acinus	Atrophy	Focal, Mild
		Infiltration Cellular	Lymphocyte, Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Hyperplasia	Focal, Marked
	Bilateral	Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913460

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen	Capsule	Degeneration Leukemia Mononuclear	Cystic, Mild
	[Degeneration TGLS = 5-14]		
	[Leukemia Mononuclear TGLS = 4-8]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-9]		
* Thymus	Thymocyte Epithel Cell	Atrophy Hyperplasia	Moderate Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 238

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 1-6]		
* Thymus	Thymocyte	Atrophy	Marked
* Urin Bladder			
	Note: TGL 2-NCL		

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe Bilateral	Hyperplasia Nephropathy	Minimal Chronic, Mild
* Liver		Basophilic Focus Leukemia Mononuclear Leukemia Mononuclear	
* Lung			
[Leukemia Mononuclear TGLS = 5-6]			
* Lymph Node, Mandibular		Degeneration	Cystic, Moderate
[Degeneration TGLS = 1-2]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Nose		Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Intermed Pars Distalis Pars Nervosa	Adenoma Hyperplasia Hyperplasia	Focal, Mild Mild
* Preputial Gland	Bilateral	Inflammation	Chronic Active, Mild
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 12	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: MA913462
ORGAN AND ACCOUNTABLE SITE STATUS			
[Adenoma TGLS = 3-9] [Atrophy TGLS = 2-9]	Bilateral, Germinal Epith	Atrophy	Marked
* Thymus	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 561

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913463

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Pancreas	* Parathyroid Gland	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone	Femur	Hyperostosis	Mild
* Bone Marrow		Hyperplasia	Mild
* Brain	Cerebrum, Hippocampus	Necrosis	Focal, Mild
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Mild
	Bilateral, Renal Tubule	Pigmentation	Moderate
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11-8]		
* Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-13]		
	[Leukemia Mononuclear TGLS = 4-12]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-5]		
* Mammary Gland		Pigmentation	Mild
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLS = 6,7-2,14]		
* Pancreas			
	Note: MASS OF PANCREAS (TGL 7) ACTUALLY INVOLVED THE MESENTERY.		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 561

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913463

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland	Bilateral	Inflammation	Chronic Active, Mild
* Prostate		Atrophy	Minimal
* Salivary Glands		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Marked
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8,9-8]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Ulcer	Focal, Mild
* Testes	Bilateral, Germinal Epith	Atrophy	Marked
	Bilateral, Interstit Cell	Hyperplasia	Focal, Minimal
[Atrophy TGLS = 3-9]			
* Thymus	Thymocyte	Atrophy	Marked
	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1- NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913464

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	Mesentery
* Nose	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Angiectasis	Focal, Moderate
		Basophilic Focus	Minimal
	Vein	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-8, 7-12]	Thrombosis	Moderate
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-12]		
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Mesentery			
Note: TGL 4-NCL			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913464

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1,2-9]

* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Focal, Mild
* Urinary Bladder	Transit Epithe	Carcinoma	

[Carcinoma TGLS = 3-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913465

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Atrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Galactocele	Mild
[Galactocele TGLS = 1-5, 12]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-3, 3.1]			
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Moderate
* Seminal Vesicle		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thymus	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 16	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 617 HISTO: MA913466
----------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* 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	* Nose	* Pancreas	* 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	
* Heart		Cardiomyopathy	Mild
	Atrium	Leukemia Mononuclear	
		Thrombosis	Moderate
* Kidney		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Mild
	Bilateral, Renal Tubule	Pigmentation	Moderate
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-8]		
* Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-13]		
	[Leukemia Mononuclear TGLS = 10-12]		
	[Leukemia Mononuclear TGLS = 5-2]		
	[Leukemia Mononuclear TGLS = 11-3]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-5]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 617

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913466

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Necrosis TGLS = 9-12]	Fat	Necrosis	Marked
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen [Leukemia Mononuclear TGLS = 4-8]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 2,3-9]	Bilateral, Interstit Cell	Adenoma	
* Thymus	Thymocyte	Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 330

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913467

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Peripheral Nerve	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	Skeletal Muscle	* Skin	* Stomach, Forestomach
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 3-8A]			
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-61,1A,1B]			
* Intestine Small, Ileum		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
Perph Nerve			
Note: SCIATIC NERVE IS NORMAL.			
* Preputial Gland		Inflammation	Chronic, Minimal
Spinal Cord		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Stomach, Glandular		Erosion	Focal, Mild
[Erosion TGLS = 7-15,15A]			
* Thymus	Thymocyte	Atrophy	Marked
* Urin Bladder			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 330

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913467

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 1-NCL

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 724

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913468

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Skin	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Bilateral	Leukemia Mononuclear	
	Bilateral, Renal Tubule	Nephropathy	Chronic, Mild
		Pigmentation	Moderate
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7,8-8]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-13]		
	[Leukemia Mononuclear TGLS = 10-12]		
	[Leukemia Mononuclear TGLS = 9-14]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-5]		
* Mammary Gland		Galactocele	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 724

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913468

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Minimal
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Stomach, Glandular		Erosion	Focal, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Bilateral, Germinal Epith	Atrophy	Marked
		Mineralization	Focal, Mild
[Adenoma TGLS = 2,3-9]			
[Atrophy TGLS = 1-9]			
* Thymus	Thymocyte	Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913469

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Mammary Gland	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Focal, Moderate
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 3-12]			
* Lymph Node, Mandibular		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Nose		Inflammation	Chronic, Mild
* Pancreas	Acinus	Adenoma	Multiple
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Preputial Gland		Adenoma	
	Bilateral	Inflammation	Chronic, Mild
[Adenoma TGLS = 1-9A]			
* Prostate		Adenoma	
* Seminal Vesicle		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913469

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Thymocyte

Atrophy

Mild

Epithel Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 577

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913470

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	[Hematopoietic Cell Proliferation TGLS = 3-NCL]		
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland	Bilateral	Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-9]		
* Thymus	Epithel Cell	Hyperplasia	Mild
Zymbal's Gland		Carcinoma	
	[Carcinoma TGLS = 1-12]		

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Mild
	Bilateral, Renal Tubule	Pigmentation	Mild
* Liver		Angiectasis	Focal, Mild
	[Leukemia Mononuclear TGLS = 6-8]	Leukemia Mononuclear	
* Lung		Hemorrhage	Moderate
	[Hemorrhage TGLS = 7-6]	Leukemia Mononuclear	
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 2-12]		
* Nose		Inflammation	Chronic, Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 8-3]		
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 3-12]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4,5-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913471

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 1-9]	Bilateral, Interstit Cell	Adenoma	
* Thymus	Thymocyte Epithel Cell	Atrophy Hyperplasia	Mild Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 608

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913472

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum * Intestine Small, Ileum

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney	Bilateral	Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-6]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-2]	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Nose		Inflammation	Chronic Active, Moderate
* Pancreas		Leukemia Mononuclear	
* Prostate		Inflammation	Acute, Minimal
* Seminal Vesicle		Leukemia Mononuclear	
* Skin	Subcut Tiss	Schwannoma Malignant	
		[Schwannoma Malignant TGLS = 1-12]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 608

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913472

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 4-8]		Leukemia Mononuclear
* Testes [Adenoma TGLS = 2,3-9]	Bilateral, Interstit Cell	Adenoma
* Thymus		Leukemia Mononuclear
* Urinary Bladder		Leukemia Mononuclear

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Schwannoma Malignant

Animal Note: CARCASS THIN, TGL 7-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913473

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Marked
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
* Lymph Node, Mandibular [Degeneration TGLS = 1-2]			
* Lymph Node, Mesenteric Mesentery [Necrosis TGLS = 4-12]	Fat	Infiltration Cellular Necrosis	Histiocyte, Minimal Moderate
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Focal, Moderate
* Preputial Gland	Bilateral	Hyperplasia	Focal, Moderate
		Inflammation	Chronic, Minimal
* Seminal Vesicle		Atrophy	Moderate
* Testes [Adenoma TGLS = 2,3-9]	Bilateral, Interstit Cell	Adenoma	
* Thymus	Thymocyte	Atrophy	Minimal
	Epithel Cell	Hyperplasia	Moderate
* Thyroid Gland	Follicle	Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 534

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913474

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Bone Marrow		Hyperplasia	Mild
* Brain		Hydrocephalus	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
	Bilateral, Renal Tubule	Pigmentation	Minimal
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 2-9]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 5-10A]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Mild
* Skin	Subcut Tiss	Fibroma	Multiple
[Fibroma TGLS = 6-10B, 7-10C]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
[Hematopoietic Cell Proliferation TGLS = 8-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 534

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913474

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-7, 4-7A]

* Thymus

Thymocyte

Atrophy

Moderate

Epithel Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 614

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913475

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* 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	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney	Bilateral	Leukemia Mononuclear	
	Bilateral, Renal Tubule	Nephropathy	Chronic, Mild
		Pigmentation	Moderate
* Liver		Angiectasis	Focal, Mild
		Leukemia Mononuclear	
		[Angiectasis TGLS = 6-12]	
		[Leukemia Mononuclear TGLS = 7-8]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 9-6]	
Lymph Node	Mediastinal	Hemorrhage	Marked
		[Hemorrhage TGLS = 8-12]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Mild
		[Necrosis TGLS = 3-12]	
* Nose		Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 614

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913475

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Bilateral	Inflammation	Chronic, Minimal
* Prostate		Inflammation	Acute, Minimal
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thymus	Thymocyte	Atrophy	Marked
	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Focal, Mild
* Trachea	Glands	Cyst	Focal, Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: CARCASS YELLOW, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913476

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Focal, Mild
* Bone Marrow		Hyperplasia	Mild
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 2-9,13]			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 5-2]			
* Kidney	Bilateral	Nephropathy	Chronic, Mild
	Bilateral, Renal Tubule	Pigmentation	Moderate
* Liver		Angiectasis	Focal, Mild
		Basophilic Focus	
		Eosinophilic Focus	
* Lung		Alveolar/Bronchiolar Adenoma	
		Congestion	Moderate
		Mesothelioma Malignant	Metastatic (Epididymis)
[Congestion TGLS = 6-6]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Mesentery		Mesothelioma Malignant	Metastatic (Epididymis)
	Fat	Necrosis	Moderate
[Mesothelioma Malignant TGLS = 4-12]			
[Necrosis TGLS = 3-12]			
* Pancreas	Acinus	Atrophy	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Phenolphthalein
CAS Number: 77-09-8

Date Report Requested: 10/21/2014
Time Report Requested: 22:45:01
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 26	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: MA913476
----------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 7-3]	Pars Distalis	Adenoma	
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Focal, Mild
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes [Adenoma TGLS = 1-9]	Bilateral, Interstit Cell	Adenoma Mesothelioma Malignant	Metastatic (Epididymis)
* Thymus	Thymocyte Epithel Cell	Atrophy Hyperplasia	Mild Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 529

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913477

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Focal, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
Note: TGL 5-NCL			
* Lung		Foreign Body	Mild
		Inflammation	Chronic Active, Moderate
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-16]			
* Nose		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-7]			
* Thymus	Thymocyte	Atrophy	Moderate
Note: TGL 7-NCL			
* Thyroid Gland	Follicular Cel	Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 529

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913477

ORGAN AND ACCOUNTABLE SITE STATUS

Tissue NOS

Mediastinum

Hemorrhage

Marked

[Hemorrhage TGLS = 6-2A, 3]

PRIMARY CAUSE OF DEATH

- Thyroid Gland Follicular Cel Carcinoma

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 649

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913478

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Angiectasis	Focal, Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung		Congestion	Moderate
[Congestion TGLS = 3-6]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Galactocele	Moderate
	Epithelium	Hyperplasia	Minimal
[Galactocele TGLS = 1-5, 13]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-12]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-3]			
* Preputial Gland	Bilateral	Inflammation	Chronic Active, Moderate
* Prostate		Inflammation	Acute, Moderate
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Focal, Minimal
* Thymus	Thymocyte	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913479

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-12]			
* Nose		Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Preputial Gland	Bilateral	Adenoma	
* Seminal Vesicle		Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 615

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913480

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Moderate
Note: TGL 3,4-NCL			
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Necrosis	Marked
[Necrosis TGLS = 5-8]			
Lymph Node	Pancreatic	Hemorrhage	Mild
[Hemorrhage TGLS = 2-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-3]			
* Preputial Gland	Bilateral	Inflammation	Chronic, Minimal
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 1-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus	Thymocyte	Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Liver Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 486

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913481

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
Ear	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	Skeletal Muscle
* Skin	Spinal Cord	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
	Bilateral, Renal Tubule	Pigmentation	Mild
[Pigmentation TGLS = 5-4]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-2,2A]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-3]			
[Leukemia Mononuclear TGLS = 11-9]			
[Leukemia Mononuclear TGLS = 7-18]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-17]			
* Pancreas		Leukemia Mononuclear	
Perph Nerve			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 486

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913481

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SCIATIC NERVE IS NORMAL.

* Preputial Gland

Inflammation

Chronic, Minimal

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-3]

* Stomach, Glandular

Erosion

Focal, Mild

[Erosion TGLS = 12-15A]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7,7A]

* Thymus

Thymocyte

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Animal Note: THORACIC CAVITY RED FLUID, TGL 8-NST

Animal Note: CARCASS YELLOW, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913482

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3B]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-3A]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Acute, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-3]			
* Stomach, Glandular		Erosion	Focal, Mild
[Erosion TGLS = 9-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Hemorrhage	Moderate
		Leukemia Mononuclear	
* Urinary Bladder		Hemorrhage	Mild
[Hemorrhage TGLS = 3-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913482

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913483

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Jejunum		Inflammation	Chronic Active, Mild
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Eosinophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 6-8]			
[Mixed Cell Focus TGLS = 7-8]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Lymph Node, Mandibular		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Preputial Gland	Bilateral	Inflammation	Chronic, Minimal
* Prostate		Adenoma	
* Seminal Vesicle		Atrophy	Mild
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913483

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4,5-8]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2,3-9]

* Thymus

Thymocyte

Atrophy

Moderate

Epithel Cell

Hyperplasia

Mild

* Thyroid Gland

Follicle

Cyst

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 553

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913484

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Pancreas	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Thyroid Gland	* Trachea	

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-1]			
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-9]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			
* Nose		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3,7-3]			
* Stomach, Forestomach		Ulcer	Focal, Mild
[Ulcer TGLS = 10-15B]			
* Stomach, Glandular		Erosion	Focal, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 553

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913484

ORGAN AND ACCOUNTABLE SITE STATUS

[Erosion TGLS = 9-15,15A]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 6,8-7]

* Thymus

Leukemia Mononuclear

* Urinary Bladder

Hemorrhage

Mild

Inflammation

Acute, Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 671

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913485

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	

MISSING

* Mammary Gland	* Skin
-----------------	--------

AUTO PRECLUDES DIAG.

* Bone Marrow	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Jejunum	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-8]	
* Lung		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-12]	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Moderate
		[Necrosis TGLS = 4-12]	
* Preputial Gland		Adenoma	
		Note: TGL 2 ONLY ONE OF THE BILATERAL MASSES CONFIRMED.	
		[Adenoma TGLS = 2-9A]	
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 671

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913485

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-8]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-9]

* Thymus

Thymocyte

Atrophy

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 598

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 913486

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Salivary Glands	* Skin
* Stomach, Glandular	* Trachea		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla	Bilateral	Hyperplasia	Focal, Mild
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-8]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-12]		
	[Leukemia Mononuclear TGLS = 6-2]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 3-12]		
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 598

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 913486

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Atrophy	Minimal
* Seminal Vesicle		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-8]			
* Stomach, Forestomach		Edema	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4,5-9]			
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Focal, Mild
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913487

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Bilateral, Pelvis, Transit Epithe Bilateral	Hyperplasia Nephropathy Basophilic Focus Degeneration Mixed Cell Focus Infiltration Cellular	Minimal Chronic, Moderate Cystic, Focal, Mild
* Liver		Galactoceles Necrosis	Minimal Mild
* Lymph Node, Mesenteric		Atrophy	Focal, Marked
* Mammary Gland Mesentery [Necrosis TGLS = 1-12]	Fat	Hyperplasia Adenoma	Focal, Minimal
* Pancreas	Acinus Acinus Pars Distalis	Inflammation	Chronic, Mild
* Pituitary Gland [Adenoma TGLS = 4-3]		Atrophy Fibrosis	Mild Mild
* Preputial Gland	Bilateral	Adenoma	
* Seminal Vesicle			
* Spleen [Fibrosis TGLS = 3-8]			
* Testes [Adenoma TGLS = 2-9]	Bilateral, Interstit Cell		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913487

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Thymocyte	Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 506

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913488

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular [Hemorrhage TGLS = 1-9]		Hemorrhage	Minimal
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Nose		Inflammation	Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Atrophy	Minimal
* Salivary Glands	Sublingual GI	Inflammation	Chronic, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes [Adenoma TGLS = 2,3-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus	Thymocyte	Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Focal, Moderate

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: CARCASS THIN, TGL 4-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 39	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 643 HISTO: MA913489
----------------------	--------------------------------------	--	---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

* Bone Marrow	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Ileum
---------------	--------------------------	---------------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
	Atrium	Leukemia Mononuclear	
* Kidney	Bilateral	Thrombosis	Marked
* Liver		Nephropathy	Chronic, Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-8]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-12]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-8]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1,2-9]		
* Thymus	Thymocyte	Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 643

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913489

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 715

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913490

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Moderate
* Adrenal Medulla		Infiltration Cellular	Lymphocyte, Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Mild
	Bilateral, Renal Tubule	Pigmentation	Moderate
Note: TGL 6-NCL			
* Liver		Hematopoietic Cell Proliferation	Mild
* Lung	Alveolar Epith	Hyperplasia	Focal, Mild
Lymph Node	Renal	Hemorrhage	Mild
[Hemorrhage TGLS = 7-12]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Mammary Gland		Adenoma	
		Galactocele	Mild
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Acute, Moderate
* Seminal Vesicle		Inflammation	Acute, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 715

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913490

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Moderate
	[Fibrosis TGLS = 4-7]		
	[Hematopoietic Cell Proliferation TGLS = 5-7]		
* Stomach, Glandular		Inflammation	Acute, Minimal
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	[Adenoma TGLS = 3-9]		
	[Atrophy TGLS = 2-9]		
* Thymus	Thymocyte	Atrophy	Moderate
	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 685

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913491

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Necrosis	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver	Centrilobular Hepatocyte	Necrosis Vacuolization Cytoplasmic	Marked Mild
[Necrosis TGLS = 5-8]			
* Lymph Node, Mesenteric		Hemorrhage	Moderate
[Hemorrhage TGLS = 4-5]			
* Preputial Gland	Bilateral	Inflammation	Chronic Active, Moderate
* Prostate		Atrophy	Minimal
* Seminal Vesicle		Atrophy	Moderate
* Skin		Basal Cell Adenoma Keratoacanthoma	
[Basal Cell Adenoma TGLS = 1-12]			
* Spleen	Lymph Follic	Atrophy	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-9]			
* Thymus	Thymocyte	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 685

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913491

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

[Adenoma TGLS = 6-2]

PRIMARY CAUSE OF DEATH

- Skin Basal Cell Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913492

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
* Lung	Interstitial	Inflammation	Chronic, Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Preputial Gland		Adenoma	
		Inflammation	Chronic, Minimal
[Adenoma TGLS = 1-9A]			
* Seminal Vesicle		Atrophy	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-9]			
* Thymus	Thymocyte	Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 490

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913493

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone	Femur	Hyperostosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Bilateral	Nephropathy	Chronic, Mild
	Bilateral, Renal Tubule	Pigmentation	Mild
* Liver		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 6-6]		
	[Leukemia Mononuclear TGLS = 8-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11-2,3]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-16]		
	[Leukemia Mononuclear TGLS = 9-3A]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Mild
* Pancreas	Acinus	Atrophy	Focal, Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Mild
* Skin		Fibrosis	Focal, Moderate
	[Fibrosis TGLS = 10-10A]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 490

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913493

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 3-3, 4-3B, 5-3,3B]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 2-7,7A]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 571

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913494

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum
--------------------------	-----------------------------	--------------------------

OBSERVATIONS

* Brain	Cerebrum	Oligodendroglioma Malignant	
	[Oligodendroglioma Malignant TGLS = 3-1]		
* Heart		Cardiomyopathy	Mild
* Int Lg Colon			
	Note: FOR TISSUE SEE SLIDE 5.		
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
* Lung		Congestion	Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Nose	Nasolacrim Dct	Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1,2-9]		
* Thymus		Hemorrhage	Mild
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 571

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913494

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Brain Cerebrum Oligodendroglioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 708

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913495

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum
--------------------------	--------------------------	--------------------------

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Degeneration	Cystic, Focal, Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
Note: THE MASS (TGL 1) ACTUALLY INVOLVED THE MAMMARY GLAND RATHER THAN THE FORELIMB AS STATED ON THE INDIVIDUAL ANIMAL NECROPSY RECORD. [Fibroadenoma TGLS = 1-12]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-2]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
Note: THE MASS TGL 4 ACTUALLY INVOLVED THE MESENTERY RATHER THAN PANCREAS AS STATED ON THE INDIVIDUAL ANIMAL NECROPSY RECORD.			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Bilateral	Inflammation	Chronic Active, Moderate
* Seminal Vesicle		Atrophy	Moderate
* Skin	Subcut Tiss	Fibroma	
Note: TGL 12 ACTUALLY INVOLVED MAMMARY GLAND RATHER THAN SKIN OF HINDLIMB AS STATED ON THE INDIVIDUAL ANIMAL NECROPSY RECORD. [Fibroma TGLS = 2-13]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 708

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913495

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

Erosion

Focal, Moderate

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-9]

* Thymus

Thymocyte

Atrophy

Mild

Epithel Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913496

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Nose	* Pancreas
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Focal, Mild
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Focal, Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Focal, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Mesentery			
Note: TGL 2-NST			
* Pituitary Gland	Rathkes Cleft	Pigmentation	Moderate
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-9]			
* Thymus	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 704

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913497

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Salivary Glands
* Skin	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Epididymis		Mesothelioma Malignant	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10,11-8]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 13-6]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 12-15]		
	[Leukemia Mononuclear TGLS = 9-2]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Galactocele	Moderate
	[Fibroadenoma TGLS = 2-14]		
	[Galactocele TGLS = 1-13]		
* Pancreas		Leukemia Mononuclear	
* Parathyroid Gland		Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 704

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913497

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland	Bilateral	Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8,12; 7,8-12]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4,5-9]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913498

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum * Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Hyperplasia	Mild
* Heart	Atrium	Cardiomyopathy	Mild
		Thrombosis	Marked
	[Thrombosis TGLS = 9-4]		
* Islets, Pancreatic		Adenoma	
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Moderate
	Centrilobular	Necrosis	Moderate
	Vein	Thrombosis	Marked
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Hepatocellular Adenoma TGLS = 6-8]		
	[Thrombosis TGLS = 5-13]		
* Lung	Interstitium	Inflammation	Chronic, Marked
Lymph Node	Renal	Hemorrhage	Moderate
	Mediastinal	Leukemia Mononuclear	
	[Hemorrhage TGLS = 7-12]		
	[Leukemia Mononuclear TGLS = 8-14]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913498

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Focal, Mild
* Parathyroid GI			
Note: TGL 10-NCL			
* Preputial Gland	Bilateral	Inflammation	Chronic, Moderate
* Prostate		Inflammation	Acute, Mild
* Seminal Vesicle		Atrophy	Mild
* Spleen	Lymph Follic	Atrophy	Moderate
		Congestion	Mild
Note: TGL 3-NCL			
* Stomach, Glandular		Erosion	Focal, Mild
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 2-9]			
[Atrophy TGLS = 1-9]			
* Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Heart Atrium Thrombosis

Animal Note: THORACIC CAVITY CLEAR FLUID, TGL 4-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 601

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913499

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney	Bilateral	Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 5-7]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-8]		
* Lung		Infiltration Cellular	Histiocyte, Focal, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Galactocele	Mild
	[Galactocele TGLS = 2-12,13]		
Oral Mucosa	Pharyngeal	Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 8-14, 14.1]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 7-3]		
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-8]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Leukemia Mononuclear	
* Testes	Interstitial Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 601

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913499

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-9]	Interstit Cell	Hyperplasia	Focal, Mild
* Thymus	Thymocyte	Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 407

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913500

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-16]			
* Nose		Inflammation	Acute, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8.1]			
* Preputial Gland	Bilateral	Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Hyperplasia	Focal, Marked
* Thymus		Hemorrhage	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 51

TRT#: 3

SEX: Male

DAY ON TEST: 679

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913601

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone	Femur	Fibrous Osteodystrophy	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Intestine Large, Rectum		Necrosis	Moderate
* Kidney	Renal Tubule	Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Marked
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-8]	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-13]	
		[Leukemia Mononuclear TGLS = 9-14]	
		[Leukemia Mononuclear TGLS = 6-12]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-2]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 51

TRT#: 3

SEX: Male

DAY ON TEST: 679

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913601

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Chronic, Minimal
* Parathyroid Gland	Bilateral	Hyperplasia	Diffuse, Minimal
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate		Leukemia Mononuclear	
* Salivary Glands	Sublingual GI	Atrophy	Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Inflammation	Chronic Active, Moderate
		Leukemia Mononuclear	
	[Inflammation TGLS = 5-15]		
	[Leukemia Mononuclear TGLS = 3,4-8,15]		
* Stomach, Glandular		Degeneration	Moderate
		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-9]		
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:01

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 52

TRT#: 3

SEX: Male

DAY ON TEST: 636

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913602

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla	Bilateral	Leukemia Mononuclear Pheochromocytoma Benign	
* Bone	Femur	Fibrous Osteodystrophy	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral, Pelvis, Transit Epithe Bilateral	Leukemia Mononuclear Hyperplasia Nephropathy	Minimal Chronic, Marked
[Nephropathy TGLS = 5-7]			
* Liver		Leukemia Mononuclear Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 6-8]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Lymph Node, Mandibular		Necrosis	Moderate
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-13]			
* Pancreas		Leukemia Mononuclear	
* Parathyroid Gland		Hyperplasia	Diffuse, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 52

TRT#: 3

SEX: Male

DAY ON TEST: 636

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913602

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland	Bilateral	Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-9]			
* Thymus	Thymocyte	Atrophy	Marked
* Thyroid Gland		Necrosis	Mild

PRIMARY CAUSE OF DEATH - Kidney Bilateral Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 53

TRT#: 3

SEX: Male

DAY ON TEST: 638

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913603

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	Skeletal Muscle	* Skin
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
	Atrium	Thrombosis	Marked
* Intestine Large, Cecum		Leukemia Mononuclear	
* Islets, Pancreatic		Carcinoma	
* Kidney		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Mild
Note: TGL 8-NCL			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-8,13; 12-8; 13-13]			
* Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-18]			
[Leukemia Mononuclear TGLS = 7-16]			
[Leukemia Mononuclear TGLS = 10-15]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Mild
[Galactocele TGLS = 1-5]			
* Nose		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 53

TRT#: 3

SEX: Male

DAY ON TEST: 638

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913603

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Focal, Minimal
* Preputial Gland		Adenoma	
		Hyperplasia	Focal, Mild
[Adenoma TGLS = 2-9A]			
* Prostate		Inflammation	Chronic Active, Marked
* Seminal Vesicle		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5,6-8,14]			
* Stomach, Forestomach		Ulcer	Focal, Mild
* Stomach, Glandular		Erosion	Focal, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			
* Thymus	Thymocyte	Atrophy	Moderate
	Epithel Cell	Hyperplasia	Mild
* Urinary Bladder		Inflammation	Acute, Mild
		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 14-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 54

TRT#: 3

SEX: Male

DAY ON TEST: 561

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913604

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
	Bilateral, Renal Tubule	Pigmentation	Mild
	[Nephropathy TGLS = 8-4]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6,6A; 9-6, 10-6A]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-8]		
* Mammary Gland		Pigmentation	Minimal
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gl			
	Note: TGL 12-NCL		
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate		Inflammation	Acute, Mild
* Seminal Vesicle		Atrophy	Mild
* Skin	Subcut Tiss	Fibroma	
	Note: TGL 2 INVOLVED THE TAIL.		
	[Fibroma TGLS = 2-16]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-3]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 54

TRT#: 3

SEX: Male

DAY ON TEST: 561

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913604

ORGAN AND ACCOUNTABLE SITE STATUS

* Stom Forestom

Note: TGL 11-NCL

* Stomach, Glandular

Ulcer

Focal, Mild

* Testes

Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Focal, Mild

Note: TGL 4 ONLY ONE OF THE MASSES WAS CONFIRMED.

[Adenoma TGLS = 4-7]

* Thymus

Thymocyte

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 55

TRT#: 3

SEX: Male

DAY ON TEST: 592

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913605

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Parathyroid Gland	* Salivary Glands	* Trachea
* Urinary Bladder			

MISSING

* Preputial Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone	Joint	Inflammation	Chronic, Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Epididymis		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 9-17]	
* Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-12]	
		[Leukemia Mononuclear TGLS = 6-14]	
		[Leukemia Mononuclear TGLS = 4-2,13]	
		[Leukemia Mononuclear TGLS = 7-15]	
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 55	TRT#: 3	SEX: Male	DAY ON TEST: 592
	DOSE: 12000 PPM	DISP: Moribund Sacrifice	HISTO: MA913605

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-16]			
* Mammary Gland		Leukemia Mononuclear	
* Nose		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Prostate		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Skin		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Erosion	Focal, Mild
* Testes	Bilateral, Germinal Epith	Atrophy	Marked
[Atrophy TGLS = 2-9]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 56

TRT#: 3

SEX: Male

DAY ON TEST: 561

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913606

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Focal, Minimal
* Bone	Femur	Hyperostosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Bilateral	Leukemia Mononuclear Nephropathy	Chronic, Mild
* Liver	[Leukemia Mononuclear TGLS = 10-6,6A]	Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia Leukemia Mononuclear	Focal, Marked
	[Hyperplasia TGLS = 5-2A]		
Lymph Node	Iliac	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-17]		
	[Leukemia Mononuclear TGLS = 1-9]		
	[Leukemia Mononuclear TGLS = 9-3]		
	[Leukemia Mononuclear TGLS = 4-16]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Chronic Active, Moderate
* Preputial Gland		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 56

TRT#: 3

SEX: Male

DAY ON TEST: 561

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913606

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3A,3B; 3-3A; 11-3B]			
* Testes	Bilateral, Interstit Cell	Hyperplasia	Focal, Marked
[Hyperplasia TGLS = 8-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 7-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 57

TRT#: 3

SEX: Male

DAY ON TEST: 646

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913607

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Trachea		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Bilateral	Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Hyperplasia	Mild
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-9]			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum	Serosa	Mesothelioma Malignant	Metastatic (Epididymis)
* Intestine Small, Duodenum	Serosa	Mesothelioma Malignant	Metastatic (Epididymis)
* Intestine Small, Ileum	Serosa	Mesothelioma Malignant	Metastatic (Epididymis)
* Intestine Small, Jejunum	Serosa	Mesothelioma Malignant	Metastatic (Epididymis)
* Kidney	Bilateral	Nephropathy	Chronic, Moderate
	Bilateral, Renal Tubule	Pigmentation	Moderate
* Liver		Basophilic Focus	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
Mesentery		Mesothelioma Malignant	Metastatic (Epididymis)
[Mesothelioma Malignant TGLS = 6-13]			
* Pancreas		Mesothelioma Malignant	Metastatic (Epididymis)
[Mesothelioma Malignant TGLS = 9-5]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate		Atrophy	Mild
		Mesothelioma Malignant	Metastatic (Epididymis)
* Seminal Vesicle		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 57	TRT#: 3	SEX: Male	DAY ON TEST: 646
	DOSE: 12000 PPM	DISP: Moribund Sacrifice	HISTO: MA913607

ORGAN AND ACCOUNTABLE SITE STATUS

[Mesothelioma Malignant TGLS = 7-9A]		Mesothelioma Malignant	Metastatic (Epididymis)
Skeletal Muscle		Mesothelioma Malignant	Metastatic (Epididymis)
[Mesothelioma Malignant TGLS = 2-12]			
* Spleen	Lymph Follic	Atrophy	Moderate
		Mesothelioma Malignant	Metastatic (Epididymis)
[Mesothelioma Malignant TGLS = 8-8]			
* Stomach, Forestomach	Serosa	Mesothelioma Malignant	Metastatic (Epididymis)
* Stomach, Glandular		Erosion	Focal, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	Metastatic (Epididymis)
[Adenoma TGLS = 4,5-9]			
* Thymus	Thymocyte	Atrophy	Marked
* Thyroid Gland	Bilateral, Follicular Cel	Adenoma	
Note: TGL 10 INVOLVES THYROID RATHER THAN PARATHYROID.			
[Adenoma TGLS = 10-2]			
* Urinary Bladder	Serosa	Mesothelioma Malignant	Metastatic (Epididymis)

PRIMARY CAUSE OF DEATH - Epididymis Mesothelioma Malignant

Animal Note: ABDOMINAL CAVITY BROWN FLUID (400 ML), TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 58

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913608

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe Bilateral	Hyperplasia Nephropathy	Minimal Chronic, Mild
* Liver	Bile Duct	Basophilic Focus Hyperplasia	Minimal
* Lymph Node, Mandibular		Degeneration Hyperplasia	Cystic, Mild Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
* Preputial Gland	Bilateral	Hyperplasia Inflammation	Focal, Moderate Chronic Active, Mild
* Seminal Vesicle		Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-9]			
* Thymus	Thymocyte Epithel Cell	Atrophy Hyperplasia	Minimal Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 59

TRT#: 3

SEX: Male

DAY ON TEST: 626

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913609

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Minimal
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Hyperplasia	Mild
* Epididymis		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Hydronephrosis	Marked
	Bilateral	Nephropathy	Chronic, Mild
Note: TGL 2-NCL			
[Hydronephrosis TGLS = 3-12]			
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Inflammation	Chronic, Minimal
* Preputial Gland	Bilateral	Inflammation	Chronic Active, Minimal
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Hematopoietic Cell Proliferation	Minimal
* Spleen		Adenoma	
* Testes	Bilateral, Interstit Cell		
[Adenoma TGLS = 4-9]			
* Thymus	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 59

TRT#: 3

SEX: Male

DAY ON TEST: 626

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913609

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: URINARY BLADDER RED FLUID, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 60

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913610

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Mammary Gland
* Nose	* Prostate	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Cyst	Mild
	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Marked
			[Cyst TGLS = 5-12, 6-7]
			[Nephropathy TGLS = 4-7,12]
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Moderate
			Note: TGL 8-NCL
			[Vacuolization Cytoplasmic TGLS = 7-8,8.1]
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Parathyroid Gland	Bilateral	Hyperplasia	Diffuse, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Bilateral	Carcinoma	
			[Carcinoma TGLS = 1-9A]
* Seminal Vesicle		Atrophy	Moderate
* Skin		Keratoacanthoma	
			[Keratoacanthoma TGLS = 9-13]
* Spleen		Fibrosis	Mild
			[Fibrosis TGLS = 3-8]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 60	TRT#: 3 DOSE: 12000 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: MA913610
ORGAN AND ACCOUNTABLE SITE STATUS			
* Testes [Adenoma TGLS = 2-9]	Bilateral, Interstit Cell	Adenoma	
* Thymus	Thymocyte Epithel Cell	Atrophy Hyperplasia	Mild Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 61

TRT#: 3

SEX: Male

DAY ON TEST: 685

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913611

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	Peripheral Nerve	* Salivary Glands	Skeletal Muscle
* Skin	Spinal Cord	* Stomach, Glandular	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLS = 10-3]		
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Bilateral	Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 11-7]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 12-8]		
* Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
		Pigmentation	Moderate

Note: TGL 5 INVOLVES AXILLARY LYMPH NODE.

Note: TGL 1 REPRESENTS LYMPH NODE WITH MONONUCLEAR CELL LEUKEMIA RATHER THAN SKIN SUBCUTANEOUS TISSUE.

[Leukemia Mononuclear TGLS = 13-13]

[Leukemia Mononuclear TGLS = 1-16; 5-15]

[Leukemia Mononuclear TGLS = 9-2]

[Leukemia Mononuclear TGLS = 6-14]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 61

TRT#: 3

SEX: Male

DAY ON TEST: 685

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913611

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 15-12]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-5]			
* Parathyroid Gland			
Note: TGL 14-NCL			
Perph Nerve			
Note: SCIATIC NERVE IS NORMAL.			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 16-3]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-8]			
* Stomach, Forestomach		Edema	Mild
	Epithelium	Hyperplasia	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-9]			
* Thymus	Epithel Cell	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Urinary Bladder		Inflammation	Chronic Active, Mild
Note: TGL 17-NCL			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 2-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 62

TRT#: 3

SEX: Male

DAY ON TEST: 633

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913612

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Focal, Mild
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8,9-1]		
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
	Note: TGL 7-NCL		
* Lung		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-12]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Parathyroid Gland		Adenoma	
* Pituitary Gland	Pars Distalis	Cyst	Mild
		Leukemia Mononuclear	
* Preputial Gland	Bilateral	Inflammation	Chronic, Minimal
* Prostate		Inflammation	Acute, Mild
* Salivary Glands	Sublingual GI	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 62

TRT#: 3

SEX: Male

DAY ON TEST: 633

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913612

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle

Atrophy

Moderate

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 5-8]

* Stomach, Forestomach

Edema

Minimal

* Testes

Bilateral, Interstit Cell

Adenoma

Note: THE GERMINAL EPITHELIAL ATROPHY (TGL 3) WAS CONSIDERED TUMORE RELATED.

[Adenoma TGLS = 3,4-9]

* Urin Bladder

Note: TGL 2-NCL

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 63

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913613

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral, Pelvis, Transit Epithe Bilateral	Hyperplasia Nephropathy	Minimal Chronic, Mild
* Liver		Basophilic Focus Eosinophilic Focus	
[Eosinophilic Focus TGLS = 4-8]			
* Lung			
Note: TGL 5-NCL			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
* Preputial Gland	Bilateral	Inflammation	Chronic, Minimal
* Seminal Vesicle		Atrophy	Moderate
* Spleen			
Note: TGL 3-NCL			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thymus	Thymocyte	Atrophy	Moderate
		Cyst	Mild
	Epithel Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 63

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913613

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 64

TRT#: 3

SEX: Male

DAY ON TEST: 594

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913614

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Salivary Glands
--------------------------	-------------------

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-8]	
* Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-12]	
		[Leukemia Mononuclear TGLS = 6-13]	
* Mammary Gland		Galactocele	Mild
* Nose		Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Atrophy	Diffuse, Marked
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-2]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 64

TRT#: 3

SEX: Male

DAY ON TEST: 594

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913614

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Leukemia Mononuclear TGLS = 7-3]		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Acute, Marked
* Seminal Vesicle		Atrophy	Mild
* Spleen [Leukemia Mononuclear TGLS = 2-8]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 1-9]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913615

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Brain			
Note: TGL 6-NCL			
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral, Pelvis, Transit Epithe	Cyst	Mild
	Bilateral	Hyperplasia	Minimal
		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 3-7]			
* Liver		Basophilic Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Vacuolization Cytoplasmic TGLS = 5-8]			
* Lung		Alveolar/Bronchiolar Carcinoma	
Lymph Node	Renal	Hemorrhage	Mild
	Renal	Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 4-12]			
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Nose		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Focal, Minimal
	Acinus	Hyperplasia	Focal, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913615

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Bilateral	Inflammation	Chronic, Minimal
* Prostate		Atrophy	Minimal
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 2-8]			
* Testes	Bilateral, Germinal Epith Artery, Bilateral	Atrophy Inflammation	Marked Chronic, Mild
[Atrophy TGLS = 1-9]			
* Thymus	Thymocyte	Atrophy	Mild
* Thyroid Gland	Follicle	Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 66

TRT#: 3

SEX: Male

DAY ON TEST: 577

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913616

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	Peripheral Nerve	* Salivary Glands	Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11,12-1]		
* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum		Edema	Mild
* Intestine Large, Colon		Leukemia Mononuclear	
* Intestine Large, Rectum		Parasite Metazoan	
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Kidney	Renal Tubule	Adenoma	
	Bilateral	Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
Note: TGL 7-NCL			
* Liver		Hepatocellular Adenoma	
		Leukemia Mononuclear	
	[Hepatocellular Adenoma TGLS = 6-8]		
	[Leukemia Mononuclear TGLS = 5-8]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-6]		
Lymph Node	Iliac	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-12]		
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 66

TRT#: 3

SEX: Male

DAY ON TEST: 577

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913616

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-2]

* Lymph Node, Mesenteric

Leukemia Mononuclear

* Mammary Gland

Pigmentation

Mild

* Pancreas

Leukemia Mononuclear

Perph Nerve

Note: SCIATIC NERVE IS NORMAL.

* Pituitary Gland

Leukemia Mononuclear

* Preputial Gland

Bilateral

Inflammation

Chronic Active, Mild

* Prostate

Inflammation

Chronic, Mild

* Seminal Vesicle

Atrophy

Moderate

Spinal Cord

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-8]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-9]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 10-3]

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 591

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913617

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
Mesentery	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 4-3]			
* Bone Marrow		Hyperplasia	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Eosinophilic Focus	
		Mixed Cell Focus	
Note: TGL 3-NCL			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary GI			
Note: TGL 1 ACTUALLY INVOLVED SKIN SUBCUTANEOUS TISSUE RATHER THAN MAMMARY GLAND AS STATED ON THE INDIVIDUAL ANIMAL NECPROSY RECORD.			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-12]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thymus	Thymocyte	Atrophy	Marked

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 591

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913617

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CARCASS THIN, TGL 5-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 710

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913618

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pituitary Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Jejunum
--------------------------	----------------------------

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Mild
		Pheochromocytoma Benign	
* Bone	Femur	Fibrous Osteodystrophy	Mild
Note: VERTEBRAE IS NORMAL.			
* Bone Marrow		Hyperplasia	Mild
* Kidney	Bilateral	Cyst	Mild
	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-7]			
* Liver		Eosinophilic Focus	
		Leukemia Mononuclear	
* Lung		Chordoma	Metastatic (Uncertain Primary Site)
		Hemorrhage	Minimal
Note: THE NEOPLASM IS CONSISTENT WITH METASTATIC CHORDOMA. THE SPINAL COLUMN WAS EXAMINED AND FOUND TO BE NEGATIVE.			
[Hemorrhage TGLS = 5-12.1]			
* Mammary Gland		Pigmentation	Mild
* Pancreas	Acinus	Hyperplasia	Focal, Moderate
* Parathyroid Gland		Hyperplasia	Diffuse, Mild
[Hyperplasia TGLS = 4-2]			
* Preputial Gland		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 710

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913618

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle

Atrophy

Moderate

* Spleen

Lymph Follic

Atrophy

Moderate

* Testes

Bilateral, Interstit Cell

Leukemia Mononuclear

Adenoma

[Adenoma TGLS = 1,2-9]

* Thymus

Thymocyte

Atrophy

Marked

Epithel Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Lung Chordoma Uncertain Primary Site

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 69

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913619

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Brain	* Epididymis	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Prostate	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Minimal
		Pheochromocytoma Benign	
* Bone	Femur	Fibrous Osteodystrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Edema	Mild
* Kidney	Bilateral	Cyst	Mild
	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Hyperplasia	Focal, Mild
	Bilateral	Nephropathy	Chronic, Marked
[Nephropathy TGLS = 6,7-7]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
Note: TGL 8-NCL			
* Lung	Interstitialium	Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Galactocele	Minimal
* Pancreas	Acinus	Atrophy	Focal, Mild
* Parathyroid Gland	Bilateral	Hyperplasia	Diffuse, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-3,3.1]			
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 69

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913619

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Fibrosarcoma TGLS = 4,5-8]		Fibrosarcoma	
* Stomach, Forestomach	Epithelium	Hyperplasia Ulcer	Mild Focal, Mild
* Testes [Adenoma TGLS = 2,3-9]	Bilateral, Interstit Cell	Adenoma	
* Thymus	Thymocyte Epithel Cell	Atrophy Hyperplasia	Marked Moderate
* Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 70

TRT#: 3

SEX: Male

DAY ON TEST: 632

DOSE: 12000 PPM

DISP: Natural Death

HISTO: \

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Skin
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Moderate
		Pheochromocytoma Benign	
Blood Vessel	Aorta, Media	Mineralization	Marked
[Mineralization TGLS = 8-4]			
* Bone	Femur	Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Cyst	Mild
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Mineralization	Focal, Moderate
	Bilateral	Nephropathy	Chronic, Marked
[Nephropathy TGLS = 5-7]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Centrilobular	Necrosis	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Interstitial	Inflammation	Chronic, Mild
Lymph Node	Renal	Hemorrhage	Mild
	Renal	Hyperplasia	Lymphoid, Mild
	Renal	Infiltration Cellular	Histiocyte, Mild
[Hyperplasia TGLS = 7-12]			
* Nose		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 70	TRT#: 3	SEX: Male	DAY ON TEST: 632
	DOSE: 12000 PPM	DISP: Natural Death	HISTO: \\\

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Hyperplasia	Focal, Marked
* Parathyroid Gland	Bilateral	Hyperplasia	Diffuse, Mild
[Hyperplasia TGLS = 9-2]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-9A]			
		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Marked
* Stomach, Forestomach	Muscularis	Mineralization	Marked
[Mineralization TGLS = 6-4]			
* Stomach, Glandular		Degeneration	Moderate
		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
Note: THE GERMINAL EPITHELIAL ATROPHY PRESENT WAS CONSIDERED TUMOR RELATED.			
[Adenoma TGLS = 2,3,4-9]			
* Thymus	Thymocyte	Atrophy	Marked

PRIMARY CAUSE OF DEATH - Kidney Bilateral Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 614

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913621

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Urinary Bladder			

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Focal, Mild
* Bone Marrow		Hyperplasia	Mild
* Brain	Cerebrum, Chor Plexus	Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe Bilateral	Hyperplasia Nephropathy	Minimal Chronic, Marked
[Nephropathy TGLS = 3-7]			
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Minimal
[Vacuolization Cytoplasmic TGLS = 5-8]			
* Lung	Interstitium	Inflammation	Chronic, Mild
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Moderate
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Galactocele	Marked
[Galactocele TGLS = 1-12]			
* Nose		Inflammation	Chronic Active, Moderate
		Metaplasia	Squamous, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-3]			
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 614

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913621

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle

Atrophy

Mild

* Spleen

Lymph Follic

Atrophy

Mild

* Testes

Bilateral, Germinal Epith

Pigmentation

Mild

Atrophy

Marked

[Atrophy TGLS = 2-9]

* Thymus

Angiectasis

Focal, Mild

* Trachea

Inflammation

Chronic Active, Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 715

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|----------------------------|--------------------------|
| * Brain | * Epididymis | * Esophagus | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Jejunum | * Lung |
| * Lymph Node, Mandibular | * Mammary Gland | * Nose | * Pituitary Gland |
| * Prostate | * Salivary Glands | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

AUTO PRECLUDES DIAG.

- * Intestine Small, Ileum

OBSERVATIONS

- | | | | |
|--------------------------------|-----------------------------------|---------------------------------------|---------------------|
| * Adrenal Cortex | Bilateral | Necrosis
Vacuolization Cytoplasmic | Mild
Focal, Mild |
| * Adrenal Medulla | | Hyperplasia | Focal, Moderate |
| Blood Vessel | Aorta, Media | Mineralization | Marked |
| [Mineralization TGLS = 9-4] | | | |
| * Bone | Femur | Fibrous Osteodystrophy | Moderate |
| * Bone Marrow | | Hyperplasia | Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Intestine Large, Cecum | Artery | Inflammation | Chronic, Moderate |
| [Inflammation TGLS = 5-13] | | | |
| * Islets, Pancreatic | | Adenoma | |
| * Kidney | Bilateral | Cyst | Mild |
| | Bilateral, Pelvis, Transit Epithe | Hyperplasia | Minimal |
| | Bilateral | Mineralization | Focal, Moderate |
| | Bilateral | Nephropathy | Chronic, Marked |
| [Cyst TGLS = 7-7,7.1] | | | |
| [Nephropathy TGLS = 8-7,7.1] | | | |
| * Liver | | Basophilic Focus
Mixed Cell Focus | |
| | Hepatocyte | Vacuolization Cytoplasmic | Moderate |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Histiocyte, Mild |
| * Pancreas | Acinus | Atrophy | Focal, Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 715

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913622

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland [Hyperplasia TGLS = 10-2,2.1]	Bilateral	Hyperplasia	Diffuse, Moderate
* Preputial Gland [Adenoma TGLS = 2-9A]		Adenoma Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Moderate
* Skin [Inflammation TGLS = 1-12]	Lip	Inflammation	Chronic Active, Marked
* Spleen [Fibrosis TGLS = 6-8]		Fibrosis	Mild
* Stomach, Forestomach	Muscularis	Mineralization	Mild
* Stomach, Glandular		Degeneration Mineralization	Moderate Moderate
* Testes [Adenoma TGLS = 3,4-9]	Bilateral, Interstit Cell	Adenoma	
* Thymus	Epithel Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Kidney Bilateral Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 531

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913623

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Bilateral	Necrosis	Mild
* Adrenal Medulla		Hyperplasia	Focal, Minimal
Blood Vessel	Aorta, Media	Mineralization	Mild
* Bone	Femur	Fibrous Osteodystrophy	Moderate
* Brain		Hydrocephalus	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum		Inflammation	Chronic, Mild
* Kidney	Bilateral, Pelvis, Transit Epithe	Cyst	Mild
	Bilateral	Hyperplasia	Minimal
		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-4]			
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lym Node Mand			
Note: TGL 2-NCL			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 6-14]			
* Parathyroid Gland		Hyperplasia	Diffuse, Mild
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate			
Note: TGL 6 ACTUALLY INVOLVED THE MESENTERY RATHER THAN PROSTATE AS STATED ON THE INDIVIDUAL ANIMAL NECROPSY RECORD.			
* Seminal Vesicle		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Marked
* Stomach, Glandular		Degeneration	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 531

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913623

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Mineralization

Moderate

Adenoma

Note: THE GERMINAL EPITHELIAL ATROPHY PRESENT WAS CONSIDERED TUMOR RELATED.

[Adenoma TGLS = 4-7; 5-7A]

* Thymus

Thymocyte

Atrophy

Marked

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Kidney Bilateral Nephropathy

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 74

TRT#: 3

SEX: Male

DAY ON TEST: 610

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913624

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|--------------------------|-----------------------------|--------------------------|
| * Blood Vessel | * Bone | * Epididymis | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Prostate | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---------------------------------------|---------------|-------------------------|------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Hyperplasia | Focal, Minimal |
| | | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 7-1] | | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Intestine Large, Rectum | | Parasite Metazoan | |
| * Kidney | | Leukemia Mononuclear | |
| | Bilateral | Nephropathy | Chronic, Mild |
| * Liver | | Hepatocellular Adenoma | |
| | | Leukemia Mononuclear | |
| [Hepatocellular Adenoma TGLS = 5-8] | | | |
| [Leukemia Mononuclear TGLS = 4-8] | | | |
| * Lung | | Leukemia Mononuclear | |
| Note: TGL 6-NCL | | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | | Leukemia Mononuclear | |
| * Preputial Gland | | Inflammation | Chronic, Minimal |
| * Seminal Vesicle | | Atrophy | Moderate |
| * Spleen | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 74

TRT#: 3

SEX: Male

DAY ON TEST: 610

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913624

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-8]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1,2-9]

* Thymus

Thymocyte

Atrophy

Marked

Epithel Cell

Hyperplasia

Minimal

* Thyroid Gland

C Cell

Hyperplasia

Focal, Marked

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 75

TRT#: 3

SEX: Male

DAY ON TEST: 624

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913625

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland	* Salivary Glands
Skeletal Muscle	* Skin	Spinal Cord	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Edema	Mild
* Kidney	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Mild
	Bilateral, Renal Tubule	Pigmentation	Minimal
	[Nephropathy TGLS = 11-7]		
* Liver		Leukemia Mononuclear	
	Vein	Thrombosis	Moderate
	[Leukemia Mononuclear TGLS = 13,14-8,14]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 16,17,18-6]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 15-3]		
	[Leukemia Mononuclear TGLS = 3-12]		
	[Leukemia Mononuclear TGLS = 12-13]		
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 75

TRT#: 3

SEX: Male

DAY ON TEST: 624

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913625

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-2]

* Lymph Node, Mesenteric

Leukemia Mononuclear

* Mammary Gland

Galactocele

Minimal

* Pancreas

Leukemia Mononuclear

* Preputial Gland

Bilateral

Inflammation

Chronic, Mild

* Prostate

Inflammation

Chronic, Mild

Note: TGL 10-NCL

* Seminal Vesicle

Atrophy

Moderate

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4,5,6-8]

* Stomach, Forestomach

Edema

Mild

* Testes

Bilateral, Interstit Cell

Adenoma

Note: THE GERMINAL EPITHELIAL ATROPHY OBSERVED WAS CONSIDERED TUMOR RELATED.

[Adenoma TGLS = 7,8-9]

* Thymus

Leukemia Mononuclear

* Urin Bladder

Note: TGL 9-NCL

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Animal Note: ABDOMINAL CAVITY CLEAR FLUID, TGL 2-NST

Animal Note: CARCASS THIN, TGL 19-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 76

TRT#: 3

SEX: Male

DAY ON TEST: 458

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913626

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Hyperplasia	Mild
* Kidney	Pelvis, Transit Epithe Bilateral	Hyperplasia Nephropathy	Minimal Chronic, Mild
[Nephropathy TGLS = 5-4]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung			
Note: TGL 7-NCL			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-9]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			
* Nose		Inflammation	Chronic Active, Marked
* Pituitary Gland	Pars Distalis Pars Distalis	Cyst Hyperplasia	Minimal Focal, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3A, 4-3,3A]			
* Stom Forestom			
Note: TGL 11-NCL			
* Stomach, Glandular		Erosion	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 76

TRT#: 3

SEX: Male

DAY ON TEST: 458

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913626

ORGAN AND ACCOUNTABLE SITE STATUS

[Erosion TGLS = 10-15,15A]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 8-7,7A]

* Thymus

Thymocyte

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 77

TRT#: 3

SEX: Male

DAY ON TEST: 470

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913627

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Bone Marrow		Hyperplasia	Mild
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-1]			
* Kidney	Bilateral	Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-9]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-16]			
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate		Inflammation	Acute, Minimal
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 77

TRT#: 3

SEX: Male

DAY ON TEST: 470

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913627

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-7,7A]

* Thymus

Thymocyte

Atrophy

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 723

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913628

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex	Bilateral	Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta, Media	Mineralization	Moderate
[Mineralization TGLS = 8-4]			
* Bone	Femur	Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	Moderate
* Kidney	Renal Tubule	Adenoma	
	Bilateral	Cyst	Mild
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Marked
[Cyst TGLS = 4-7,12]			
[Nephropathy TGLS = 5-7,12]			
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Note: TGL 7-NCL			
* Lung	Interstitium	Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Atrophy	Moderate
		Hemorrhage	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 723

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913628

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Pigmentation	Mild
* Nose		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Preputial Gland	Bilateral	Inflammation	Chronic Active, Moderate
* Prostate		Atrophy	Minimal
* Seminal Vesicle		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Moderate
		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 3-8]			
* Stomach, Glandular		Degeneration	Moderate
		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-9]			
* Thymus	Thymocyte	Atrophy	Marked
	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland	Follicle	Cyst	Minimal
	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH - Kidney Bilateral Nephropathy

Animal Note: THORACIC CAVITIES CLEAR FLUID, TGL 6-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 693

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913629

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Jejunum
--------------------------	----------------------------

OBSERVATIONS

* Adrenal Cortex	Bilateral	Necrosis	Marked
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta, Media	Mineralization	Marked
[Mineralization TGLS = 11-4]			
* Bone	Femur	Fibrous Osteodystrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Carcinoma	
	Bilateral	Cyst	Mild
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Marked
[Carcinoma TGLS = 8-7]			
[Nephropathy TGLS = 7-7]			
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Note: TGL 5-NCL			
[Hepatocellular Adenoma TGLS = 6-14]			
* Lung	Interstitium	Inflammation	Chronic, Mild
Lymph Node	Renal	Hemorrhage	Mild
[Hemorrhage TGLS = 9-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 693

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913629

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-12]

* Pancreas	Acinus	Hyperplasia	Focal, Moderate
* Parathyroid Gland	Bilateral	Hyperplasia	Diffuse, Mild
[Hyperplasia TGLS = 10-2]			
* Preputial Gland	Bilateral	Inflammation	Chronic Active, Mild
* Prostate		Atrophy	Minimal
* Seminal Vesicle		Atrophy	Moderate
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 2-12]			
* Spleen	Lymph Follic	Atrophy	Marked
* Stomach, Glandular		Degeneration	Moderate
		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3,4-9]			
* Thymus	Thymocyte	Atrophy	Marked
	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Kidney Bilateral Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 80

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913630

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone	Femur	Fibrous Osteodystrophy	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Adenoma	
	Bilateral	Cyst	Minimal
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Hyperplasia	Focal, Mild
	Bilateral	Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 5-7]		
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-8]		
* Lung		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-12]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Parathyroid Gland		Hyperplasia	Diffuse, Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 80

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913630

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 4-8]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 2,3-9]	Bilateral, Interstit Cell	Adenoma	
* Thymus	Thymocyte	Atrophy	Marked
	Epithel Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 81

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913631

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLS = 2-3,3.1]		
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral, Renal Tubule	Hyperplasia	Focal, Marked
	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 3-7]		
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
Note: TGL 4-NCL			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
	Mediastinal	Pigmentation	Mild
	[Hyperplasia TGLS = 5-12]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate	Epithelium	Hyperplasia	Focal, Moderate
* Seminal Vesicle		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 81

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913631

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes
[Adenoma TGLS = 1-9]

Bilateral, Interstit Cell

Adenoma

* Thymus

Thymocyte
Epithel Cell

Atrophy
Hyperplasia

Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913632

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Bilateral	Necrosis	Mild
		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Bilateral	Cyst	Minimal
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Mild
	Bilateral	Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 4-7]		
* Liver		Basophilic Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Vacuolization Cytoplasmic TGLS = 5-8]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Parathyroid Gland		Hyperplasia	Diffuse, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Nervosa	Hyperplasia	Mild
	Note: THE REACTION INVOLVING THE PARS NERVOSA DIAGNOSED AS HYPERPLASIA IS CONSISTENT WITH GLIOSIS.		
* Preputial Gland	Bilateral	Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913632

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 3-8]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 1,2-9]	Bilateral, Interstit Cell	Adenoma	
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Mild
		Thymoma Benign	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 538

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913633

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Thyroid Gland	* Trachea

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Mild
	[Nephropathy TGLS = 6-4]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-2,3]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-3]		
* Stomach, Forestomach		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-15A]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 538

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913633

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

[Erosion TGLS = 9-15B]

Erosion

Focal, Mild

* Testes

[Adenoma TGLS = 1-7, 2-7A]

Bilateral, Interstit Cell

Adenoma

* Thymus

Thymocyte

Atrophy

Marked

* Urinary Bladder

[Leukemia Mononuclear TGLS = 4-9]

Leukemia Mononuclear

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913634

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla	Bilateral	Hyperplasia	Focal, Moderate
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Inflammation	Chronic, Mild
* Heart		Leukemia Mononuclear	
* Kidney	Bilateral	Cyst	Mild
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Leukemia Mononuclear	
[Nephropathy TGLS = 6-7]		Nephropathy	Chronic, Mild
* Liver		Eosinophilic Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Focal, Moderate
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913634

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4,5-8,12]

* Testes

Bilateral, Interstit Cell

Adenoma

Note: THE GERMINAL EPITHELIAL ATROPHY PRESENT WAS CONSIDERED TUMOR RELATED.

[Adenoma TGLS = 2,3-9]

* Thymus

Epithel Cell

Hyperplasia

Mild

Leukemia Mononuclear

* Thyroid Gland

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 618

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913635

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| Blood Vessel | * Bone | * Epididymis | * Esophagus |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose | * Prostate |
| * Skin | * Stomach, Forestomach | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Parathyroid Gland

AUTO PRECLUDES DIAG.

- * Intestine Large, Cecum

OBSERVATIONS

- | | | | |
|--------------------------|---------------------------------------|-------------------------|------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| | Bilateral | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | Bilateral | Nephropathy | Chronic, Minimal |
| | [Leukemia Mononuclear TGLS = 10-7] | | |
| | [Nephropathy TGLS = 11-7] | | |
| * Liver | | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 3-6] | | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 12-14] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 7-12] | | |
| * Mammary Gland | | Pigmentation | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 618

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913635

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Necrosis TGLS = 6-13]	Fat	Necrosis	Mild
* Pancreas Note: FOR ORGAN SEE SLIDE 5.		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland [Carcinoma TGLS = 2-9A]		Carcinoma Inflammation	Chronic, Mild
* Salivary Glands	Submandibul GI	Leukemia Mononuclear	
* Seminal Vesicle		Atrophy Leukemia Mononuclear Leukemia Mononuclear	Mild
* Spleen [Leukemia Mononuclear TGLS = 8-8]			
* Stomach, Glandular [Erosion TGLS = 9-4,15]		Erosion Leukemia Mononuclear	Focal, Mild
* Testes [Adenoma TGLS = 4,5-9]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 485

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913636

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* 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	* Pituitary Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6, 11-6A]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-3]		
	[Leukemia Mononuclear TGLS = 3-9]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-8]		
Mesentery		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-16]		
* Nose		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 485

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913636

ORGAN AND ACCOUNTABLE SITE STATUS

Note: THE LEUKEMIC INFILTRATE INVOLVES THE NASAL MUCOSA.

* Pancreas	Acinus	Atrophy Leukemia Mononuclear	Focal, Mild
* Preputial Gland	Bilateral	Adenoma Inflammation	Chronic, Mild
[Adenoma TGLS = 1-10]			
* Seminal Vesicle		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid GI			
Note: TGL 10-NCL			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 9-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913637

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum		Leukemia Mononuclear	
* Islets, Pancreatic		Adenoma	
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Hyperplasia	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-8,15; 9-8; 10-8,15]		
* Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-2]		
	[Leukemia Mononuclear TGLS = 7-12]		
	[Leukemia Mononuclear TGLS = 11-13]		
	[Leukemia Mononuclear TGLS = 12-14]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913637

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
* Preputial Gland	Bilateral	Cyst	Minimal
* Salivary Glands	Sublingual GI	Inflammation	Chronic, Mild
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Atrophy	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5,6-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-9]			
* Thymus	Epithel Cell	Hyperplasia	Moderate
		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 650

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913638

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Focal, Moderate
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral, Pelvis, Transit Epithe Bilateral	Cyst Hyperplasia Nephropathy	Mild Minimal Chronic, Mild
* Liver	Hepatocyte	Basophilic Focus Vacuolization Cytoplasmic Degeneration	Mild Cystic, Minimal
* Lymph Node, Mandibular [Degeneration TGLS = 1-2]			
* Mammary Gland		Galactocele	Minimal
* Nose		Inflammation	Chronic Active, Mild
* Pancreas		Pigmentation	Focal, Mild
* Pituitary Gl Note: TGL 4-NCL			
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Mild
* Testes [Adenoma TGLS = 2,3-9]	Bilateral, Interstit Cell	Adenoma	
* Thymus	Thymocyte Epithel Cell	Atrophy Hyperplasia	Moderate Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 691

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913639

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Intestine Large, Colon
* Intestine Small, Duodenum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Pituitary Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
--------------------------	---------------------------	--------------------------	----------------------------

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Moderate
		Pheochromocytoma Benign	
Blood Vessel	Aorta, Media	Mineralization	Moderate
* Bone	Femur	Fibrous Osteodystrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Cyst	Mild
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-7]			
* Liver		Basophilic Focus	
* Lung	Interstitial	Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Pigmentation	Mild
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Parathyroid Gland		Hyperplasia	Diffuse, Minimal
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Mild
* Spleen	Lymph Follic	Atrophy	Moderate
		Fibrosis	Mild
[Fibrosis TGLS = 3-8]			
* Stomach, Glandular		Degeneration	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 691

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913639

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes
[Adenoma TGLS = 1-9]

Bilateral, Interstit Cell

Mineralization
Adenoma

Mild

* Thymus

Thymocyte

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Kidney Bilateral Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913640

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 5-3]			
* Bone	Femur	Fibrous Osteodystrophy	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral, Pelvis, Transit Epithe Bilateral Bilateral, Renal Tubule	Hyperplasia Nephropathy Pigmentation	Minimal Chronic, Marked Minimal
[Nephropathy TGLS = 6-7]			
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Pigmentation	Mild
* Preputial Gland	Bilateral	Inflammation	Chronic, Moderate
* Prostate		Atrophy	Minimal
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	

Note: THE GERMINAL EPITHELIAL ATROPHY PRESENT WAS CONSIDERED TUMOR RELATED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913640

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1,2,3-9]

* Thymus

Thymocyte

Atrophy

Moderate

Epithel Cell

Hyperplasia

Minimal

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913641

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Bone Marrow		Leukemia Mononuclear	
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Renal Tubule	Adenoma	
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Leukemia Mononuclear	
	[Adenoma TGLS = 5-13]	Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-12]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-8]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Note: THE GERMINAL EPITHELIAL ATROPHY PRESENT WAS CONSIDERED TUMOR RELATED.		
	[Adenoma TGLS = 1,2,3-9]		
* Thymus	Thymocyte	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913641

ORGAN AND ACCOUNTABLE SITE STATUS

Epithel Cell

Hyperplasia

Moderate

Leukemia Mononuclear

* Thyroid Gland

Follicular Cel

Hyperplasia

Focal, Moderate

Note: CELLS COMPRISING THE FOCUS OF FOLLICULAR HYPERPLASIA ARE CONSISTENT WITH HURTHLE CELLS.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 92

TRT#: 3

SEX: Male

DAY ON TEST: 670

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913642

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Esophagus
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Mammary Gland
* Parathyroid Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

Blood Vessel	* Heart
--------------	---------

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Mesothelioma Malignant	
* Kidney	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-7]		
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Focal, Mild
		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland	Bilateral	Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1,3,4-8]		
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-9]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 92

TRT#: 3

SEX: Male

DAY ON TEST: 670

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913642

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 6-3]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913643

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone	Femur	Fibrous Osteodystrophy	Moderate
* Bone Marrow		Atrophy	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Cyst	Mild
	Pelvis, Transit Epithe	Hyperplasia	Mild
	Bilateral	Nephropathy	Chronic, Marked
[Cyst TGLS = 4-7]			
* Liver		Angiectasis	Focal, Mild
		Basophilic Focus	
		Clear Cell Focus	
Note: TGL 5-NCL			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
* Mammary Gland		Galactocele	Minimal
* Parathyroid Gland	Bilateral	Hyperplasia	Diffuse, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 3-8]			
* Stomach, Glandular		Degeneration	Mild
		Mineralization	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913643

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2-9]	Bilateral, Interstit Cell	Adenoma	
* Thymus	Thymocyte	Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 701

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913644

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 6-3]			
Blood Vessel	Aorta, Media	Mineralization	Moderate
[Mineralization TGLS = 11-4]			
* Bone	Femur	Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Carcinoma	
Note: TGL 14 INVOLVES ISLETS PANCREAS RATHER THAN PANCREATIC LYMPH NODE.			
[Carcinoma TGLS = 14-12]			
* Kidney	Bilateral	Cyst	Mild
	Pelvis, Transit Epithe	Hyperplasia	Mild
	Bilateral	Nephropathy	Chronic, Marked
[Cyst TGLS = 8-7]			
[Nephropathy TGLS = 7-7]			
* Liver		Basophilic Focus	
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Note: TGL 9,10-NCL			
* Lung	Interstitial	Inflammation	Chronic, Mild
[Inflammation TGLS = 12-6]			
* Lymph Node, Mandibular		Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Mammary Gland		Galactocele	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 701

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913644

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Artery	Inflammation	Chronic, Moderate
* Parathyroid Gland	Bilateral	Hyperplasia	Diffuse, Moderate
[Hyperplasia TGLS = 13-2]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Cyst	Moderate
	Bilateral	Inflammation	Chronic Active, Moderate
[Cyst TGLS = 2-9A]			
* Seminal Vesicle		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular		Degeneration	Marked
		Mineralization	Marked
[Mineralization TGLS = 5-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3,4-9]			
* Thymus	Thymocyte	Atrophy	Marked
	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Kidney Bilateral Nephropathy

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 558

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913645

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Marked
Blood Vessel	Aorta, Media	Mineralization	Minimal
* Bone	Femur	Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum	Artery	Inflammation	Chronic, Mild
[Inflammation TGLS = 4-5]			
* Kidney	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Marked
[Nephropathy TGLS = 5-4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Note: TGL 3-NCL			
* Nose		Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Atrophy	Focal, Mild
* Parathyroid Gland	Bilateral	Hyperplasia	Diffuse, Mild
* Preputial Gland		Inflammation	Acute, Minimal
* Seminal Vesicle		Atrophy	Minimal
* Skin			
Note: TGL 6-NCL			
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 7,8-3A,3]			
* Stomach, Glandular		Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 558

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913645

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Mineralization

Moderate

[Adenoma TGLS = 1,2-7]

Adenoma

* Thymus

Thymocyte

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

- Kidney Bilateral Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 694

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913646

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Prostate	* Salivary Glands	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta, Media	Mineralization	Marked
[Mineralization TGLS = 6-4]			
* Bone	Femur	Fibrous Osteodystrophy	Marked
* Bone Marrow		Hyperplasia	Mild
* Heart	Artery	Cardiomyopathy	Moderate
		Mineralization	Moderate
* Kidney	Bilateral	Cyst	Minimal
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Marked
[Nephropathy TGLS = 4-7]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Focal, Minimal
		Eosinophilic Focus	
* Lung	Interstitialium	Inflammation	Chronic Active, Moderate
	Artery	Mineralization	Marked
[Inflammation TGLS = 8-6]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Mild
* Pancreas	Acinus	Hyperplasia	Focal, Moderate
* Parathyroid Gland	Bilateral	Hyperplasia	Diffuse, Moderate
[Hyperplasia TGLS = 7-2]			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 694

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913646

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 9-3,3.1]

* Preputial Gland

Inflammation

Chronic, Mild

* Seminal Vesicle

Atrophy

Mild

* Skin

Squamous Cell Carcinoma

[Squamous Cell Carcinoma TGLS = 1-12]

* Spleen

Hematopoietic Cell Proliferation

Mild

* Stomach, Glandular

Degeneration

Moderate

Mineralization

Marked

Note: TGL 5-NCL

* Testes

Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Focal, Moderate

[Adenoma TGLS = 3-9]

[Hyperplasia TGLS = 2-9]

* Thymus

Thymocyte

Atrophy

Marked

Epithel Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Kidney Bilateral Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913647

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lung	Interstitial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Carcinoma	
		Inflammation	Chronic, Minimal
[Inflammation TGLS = 1-9A]			
* Seminal Vesicle		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-9]			
* Thymus	Thymocyte	Atrophy	Moderate
	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 543

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913648

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum
--------------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Mild
	Bilateral, Renal Tubule	Pigmentation	Mild
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Hemorrhage	Moderate
[Hemorrhage TGLS = 4-12]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-2]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Nose		Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate		Inflammation	Acute, Mild
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 543

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913648

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-9]

* Thymus

Thymocyte

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913649

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone	Femur	Fibrous Osteodystrophy	Minimal
Eye	Retina	Atrophy	Marked
	Cornea	Inflammation	Chronic, Minimal
[Inflammation TGLS = 1-12]			
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Cyst	Mild
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Hyperplasia	Focal, Mild
	Bilateral	Nephropathy	Chronic, Marked
[Cyst TGLS = 6-7,7.1]			
[Nephropathy TGLS = 5-7,7.1]			
* Liver		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-13]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
	Artery	Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913649

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2,3-9]

* Thymus

Thymocyte

Atrophy

Moderate

Epithel Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913650

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Moderate
* Adrenal Medulla		Hyperplasia	Focal, Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Cyst	Minimal
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 2-7]			
* Liver		Eosinophilic Focus	
* Lung		Alveolar/Bronchiolar Adenoma	
* Pancreas	Artery	Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Bilateral	Inflammation	Chronic, Minimal
* Prostate		Atrophy	Minimal
* Seminal Vesicle		Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-9]			
* Thymus	Epithel Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 101

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913551

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone	Femur	Fibrous Osteodystrophy	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	Mild
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Hyperplasia	Focal, Moderate
	Bilateral	Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 2-7]			
* Liver		Basophilic Focus	
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Adenoma	
	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Bilateral	Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Acute, Minimal
* Seminal Vesicle		Atrophy	Moderate
* Stomach, Forestomach		Edema	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-9]			
* Thymus	Epithel Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 101

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913551

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 102

TRT#: 5

SEX: Male

DAY ON TEST: 584

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913552

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Pancreas	* Parathyroid Gland	Peripheral Nerve	* Salivary Glands
Skeletal Muscle	* Skin	Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
	Bilateral, Renal Tubule	Pigmentation	Mild
	[Nephropathy TGLS = 8-7]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-8]		
* Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-13]		
	[Leukemia Mononuclear TGLS = 4-12]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2,2.1]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Perph Nerve			
Note: SCIATIC NERVE IS NORMAL.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 102

TRT#: 5

SEX: Male

DAY ON TEST: 584

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913552

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia Leukemia Mononuclear	Focal, Mild
[Leukemia Mononuclear TGLS = 7-3]			
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 9-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 103

TRT#: 5

SEX: Male

DAY ON TEST: 710

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913553

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Necrosis	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Cyst	Mild
	Pelvis, Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Hyperplasia	Focal, Moderate
	Vein	Inflammation	Chronic, Moderate
	Bilateral	Nephropathy	Chronic, Marked
[Cyst TGLS = 5-7,7.1]			
[Nephropathy TGLS = 4-7,7.1]			
* Liver		Eosinophilic Focus	
		Necrosis	Minimal
* Lung	Interstitialium	Inflammation	Chronic, Moderate
Lymph Node	Renal	Hemorrhage	Mild
	Renal	Pigmentation	Moderate
[Hemorrhage TGLS = 6-12]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Parathyroid Gland		Hyperplasia	Diffuse, Mild
[Hyperplasia TGLS = 7-2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 103

TRT#: 5

SEX: Male

DAY ON TEST: 710

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913553

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 8-3]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen Note: TGL 2-NCL			
* Testes [Adenoma TGLS = 1-9,13]	Bilateral, Interstit Cell	Adenoma	
* Thymus	Thymocyte	Atrophy	Moderate
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Kidney Bilateral Nephropathy

Animal Note: THORACIC CAVITY CLEAR FLUID, TGL 3-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 104

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913554

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Marked
* Bone	Femur	Fibrous Osteodystrophy	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral, Pelvis, Transit Epithe Bilateral	Hyperplasia Nephropathy	Minimal Chronic, Marked
[Nephropathy TGLS = 5-7]			
* Liver		Basophilic Focus Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Focal, Mild
* Preputial Gland	Bilateral	Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Mild
* Skin		Basal Cell Adenoma Keratoacanthoma	
[Basal Cell Adenoma TGLS = 2-13]			
[Keratoacanthoma TGLS = 1-12]			
* Spleen		Congestion Fibrosis	Mild Mild
[Fibrosis TGLS = 4-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 104

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913554

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-9]

* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 105

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913555

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone	Femur	Fibrous Osteodystrophy	Marked
	Femur	Hyperostosis	Marked
* Bone Marrow		Atrophy	Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Bilateral, Pelvis, Transit Epithe	Cyst	Minimal
	Bilateral	Hyperplasia	Minimal
		Nephropathy	Chronic, Marked
[Cyst TGLS = 7-7]			
[Nephropathy TGLS = 6-7]			
* Liver		Degeneration	Cystic, Focal, Minimal
	Bile Duct	Hyperplasia	Mild
[Degeneration TGLS = 8-8]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Adenoma	
[Adenoma TGLS = 2-12]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Minimal
* Seminal Vesicle		Atrophy	Marked
* Spleen		Pigmentation	Mild
Note: TGL 5-NCL			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 105

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913555

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 3,4-9]	Bilateral, Interstit Cell	Adenoma	
* Thymus	Epithel Cell	Hyperplasia	Moderate
* Thyroid Gland [Carcinoma TGLS = 9-2]	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 106

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913556

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
* Preputial Gland		Hyperplasia	Focal, Moderate
	Bilateral	Inflammation	Chronic, Mild
	[Hyperplasia TGLS = 1-9A]		
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Congestion	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Note: THE GERMINAL EPITHELIAL ATROPHY PRESENT WAS CONSIDERED TUMOR RELATED.		
	[Adenoma TGLS = 2,3,4-9]		
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 107

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913557

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Cecum		Edema	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 4-7]			
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Mixed Cell Focus	
[Vacuolization Cytoplasmic TGLS = 5-8]	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Interstitial	Inflammation	Chronic, Mild
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
	Renal	Hyperplasia	Lymphoid, Minimal
	Mediastinal	Pigmentation	Mild
[Hyperplasia TGLS = 7-12]			
[Hyperplasia TGLS = 6-13]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 1-2]			
* Mammary Gland		Inflammation	Chronic, Mild
* Nose		Inflammation	Chronic Active, Moderate
		Metaplasia	Squamous, Focal, Mild
* Pancreas	Acinus	Atrophy	Diffuse, Moderate
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 107

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913557

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Atrophy	Moderate
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 8-14]			
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			
* Thymus	Epithel Cell	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: ABDOMINAL CAVITIES, FLUID, 5 CC, CLEAR, TGL 2-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 108

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913558

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* 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	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Bilateral	Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Heart	Atrium	Cardiomyopathy	Mild
[Thrombosis TGLS = 10-4]		Thrombosis	Marked
* Kidney	Renal Tubule	Carcinoma	
	Bilateral	Cyst	Minimal
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Moderate
[Carcinoma TGLS = 9-7]			
[Nephropathy TGLS = 8-7]			
* Liver		Degeneration	Cystic, Focal, Mild
* Lung	Interstitialium	Inflammation	Chronic, Minimal
Lymph Node	Inguinal	Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 1-12]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 3-2]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Adenoma	
* Preputial Gland		Adenoma	
		Inflammation	Chronic, Mild
[Adenoma TGLS = 2-9A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Phenolphthalein
CAS Number: 77-09-8

Date Report Requested: 10/21/2014
Time Report Requested: 22:45:02
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 108	TRT#: 5 DOSE: 25000 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 727 HISTO: MA913558
-----------------------	--	--	---

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Atrophy	Moderate
* Skin	Epidermis	Hyperplasia	Minimal
* Spleen	Lymph Follic	Atrophy	Marked
		Congestion	Mild
Note: TGL 6-NCL [Atrophy TGLS = 5-8] [Congestion TGLS = 7-13]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus	Thymocyte	Atrophy	Marked
	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Heart Atrium Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 109

TRT#: 5

SEX: Male

DAY ON TEST: 720

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913559

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hydrocephalus	Minimal
	Cerebrum	Necrosis	Marked
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 6-7]		
* Liver		Degeneration	Cystic, Focal, Moderate
	[Degeneration TGLS = 9-8]	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-8]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Hemorrhage	Mild
	Pancreatic	Hemorrhage	Moderate
	Renal	Hemorrhage	Moderate
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Hemorrhage TGLS = 7-13]		
	[Hemorrhage TGLS = 5-2]		
	[Leukemia Mononuclear TGLS = 10-12]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Hemorrhage	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 109

TRT#: 5

SEX: Male

DAY ON TEST: 720

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913559

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLS = 3-5]

* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Marked
* Spleen		Leukemia Mononuclear	

[Leukemia Mononuclear TGLS = 4-8]

* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 2-9]

* Thymus	Thymocyte	Atrophy	Marked
	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland	Follicle	Cyst	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 110

TRT#: 5

DOSE: 25000 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST: 701

HISTO: MA913560

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone	Femur	Fibrous Osteodystrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral, Pelvis, Transit Epithe Bilateral	Hyperplasia Nephropathy	Minimal Chronic, Marked
[Nephropathy TGLS = 4-7]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Galactocele	Minimal
* Nose		Inflammation	Chronic Active, Moderate
* Parathyroid Gland	Bilateral	Hyperplasia	Diffuse, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-3]			
* Preputial Gland	Bilateral	Adenoma Inflammation	Chronic, Mild
[Adenoma TGLS = 1-9A]			
* Prostate		Inflammation	Acute, Mild
* Seminal Vesicle		Atrophy	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Stomach, Glandular		Degeneration Mineralization	Moderate Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 110

TRT#: 5

SEX: Male

DAY ON TEST: 701

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913560

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2,3-9]

* Thymus

Thymocyte

Atrophy

Marked

Zymbal's Gland

Adenoma

[Adenoma TGLS = 5-12]

PRIMARY CAUSE OF DEATH

- Kidney Bilateral Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 111

TRT#: 5

SEX: Male

DAY ON TEST: 692

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913561

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Lung	* Lymph Node, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	Peripheral Nerve	* Salivary Glands
Skeletal Muscle	* Skin	Spinal Cord	* Spleen
* Stomach, Glandular	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Focal, Moderate
* Brain	Meninges	Hemorrhage	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Adenoma	
	Bilateral	Cyst	Minimal
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Hyperplasia	Focal, Moderate
	Bilateral	Nephropathy	Chronic, Marked
[Cyst TGLS = 5-7,14]			
[Nephropathy TGLS = 4-7]			
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
Lymph Node	Renal	Hemorrhage	Mild
	Iliac	Hyperplasia	Lymphoid, Mild
	Renal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 3-12]			
[Hyperplasia TGLS = 6-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Galactocele	Mild
Perph Nerve			
Note: SCIATIC NERVE IS NORMAL.			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 111

TRT#: 5

SEX: Male

DAY ON TEST: 692

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913561

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Cyst	Mild
* Preputial Gland	Bilateral	Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Acute, Marked
* Seminal Vesicle		Atrophy	Marked
* Stomach, Forestomach		Ulcer	Focal, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thymus	Thymocyte	Atrophy	Mild
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH - Kidney Bilateral Nephropathy

Animal Note: CARCASS THIN, TGL 1-NST

Animal Note: CRANIAL CAVITY RED FLUID, TGL 7-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 112

TRT#: 5

SEX: Male

DAY ON TEST: 622

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913562

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pituitary Gland
* Prostate	* Salivary Glands	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Focal, Mild
[Pheochromocytoma Benign TGLS = 9-3]			
* Bone	Femur	Fibrous Osteodystrophy	Mild
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum	Artery	Inflammation	Chronic, Moderate
* Kidney		Cyst	Mild
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Marked
[Cyst TGLS = 8-7]			
[Nephropathy TGLS = 7-7]			
* Liver		Clear Cell Focus Leukemia Mononuclear Necrosis	Mild
Note: TGL 5-NCL			
[Necrosis TGLS = 6-13]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 3-3]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Parathyroid Gland	Bilateral	Hyperplasia	Diffuse, Mild
[Hyperplasia TGLS = 4-2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 112

TRT#: 5

SEX: Male

DAY ON TEST: 622

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913562

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Bilateral	Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Moderate
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 10-14]			
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 2-8]		Leukemia Mononuclear	
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-9]			
* Thymus	Thymocyte	Atrophy	Marked
	Epithel Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Kidney Bilateral Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 113

TRT#: 5

SEX: Male

DAY ON TEST: 623

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913563

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Intestine Large, Cecum		Necrosis	Marked
[Necrosis TGLS = 2-5]			
* Kidney	Bilateral	Nephropathy	Chronic, Mild
	Bilateral, Renal Tubule	Pigmentation	Marked
[Nephropathy TGLS = 6-7]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8,9,10-8]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-13]			
[Leukemia Mononuclear TGLS = 7-12]			
[Leukemia Mononuclear TGLS = 11-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactoceles	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 113

TRT#: 5

SEX: Male

DAY ON TEST: 623

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913563

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 12-3]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Acute, Moderate
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Fibrosis Leukemia Mononuclear	Mild
[Fibrosis TGLS = 5-8]			
[Leukemia Mononuclear TGLS = 4-8]			
* Stomach, Glandular		Erosion	Focal, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus	Thymocyte Epithel Cell	Atrophy Hyperplasia	Marked Minimal
* Thyroid Gland	Follicle	Cyst	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 114

TRT#: 5

SEX: Male

DAY ON TEST: 661

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913564

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum
--------------------------	-----------------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-1]		
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Cyst	Minimal
	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Mild
* Liver		Necrosis	Moderate
	[Necrosis TGLS = 6-8]		
* Lung		Leukemia Mononuclear	
	Note: TGL 8-NCL		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-12]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Mild
* Nose		Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 114

TRT#: 5

SEX: Male

DAY ON TEST: 661

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913564

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Epithelium	Atrophy Hyperplasia	Mild Focal, Mild
* Seminal Vesicle		Atrophy	Marked
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3,4-8]			
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation	Mild Chronic, Mild
[Inflammation TGLS = 5-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-9]			
* Thymus	Thymocyte Epithel Cell	Atrophy Hyperplasia	Marked Mild
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 115

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913565

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* 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	* Nose	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Cyst	Mild
	Pelvis, Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Hyperplasia	Focal, Mild
	Bilateral	Nephropathy	Chronic, Moderate
Note: TGL 6-NCL			
[Nephropathy TGLS = 5-7]			
* Liver		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 7-14]			
* Lung		Histiocytic Sarcoma	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
Mesentery		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 8-13]			
* Pancreas		Histiocytic Sarcoma	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-3]			
* Preputial Gland		Hyperplasia	Focal, Mild
* Prostate	Epithelium	Hyperplasia	Focal, Mild
* Seminal Vesicle		Atrophy	Moderate
* Skin	Subcut Tiss	Histiocytic Sarcoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Phenolphthalein
CAS Number: 77-09-8

Date Report Requested: 10/21/2014
Time Report Requested: 22:45:02
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 115	TRT#: 5	SEX: Male	DAY ON TEST: 729
	DOSE: 25000 PPM	DISP: Terminal Sacrifice	HISTO: MA913565

ORGAN AND ACCOUNTABLE SITE STATUS

[Histiocytic Sarcoma TGLS = 10-12]			
* Spleen	Lymph Follic	Atrophy Histiocytic Sarcoma	Marked
[Atrophy TGLS = 4-8]			
[Histiocytic Sarcoma TGLS = 3-8]			
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thymus	Thymocyte	Atrophy Histiocytic Sarcoma	Marked
	Epithel Cell	Hyperplasia	Moderate
* Thyroid Gland	Follicle	Cyst	Minimal
	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 116

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913566

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|--------------------------|---------------------------|-----------------------------|
| Blood Vessel | * Bone | * Brain | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Islets, Pancreatic | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|----------------------------|-----------------------------------|-------------------------|---------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | Bilateral | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | | Inflammation | Chronic, Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Intestine Small, Jejunum | | Leukemia Mononuclear | |
| * Kidney | Bilateral, Pelvis, Transit Epithe | Hyperplasia | Mild |
| | Bilateral | Leukemia Mononuclear | |
| * Liver | | Nephropathy | Chronic, Mild |
| | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Leukemia Mononuclear | |
| | | Mixed Cell Focus | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Deep Cervical | Leukemia Mononuclear | |
| | Iliac | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |

Note: AXILLARY LN, LEUKEMIA MONUC, TGL 2-18

[Leukemia Mononuclear TGLS = 12-12]

[Leukemia Mononuclear TGLS = 10-14]

[Leukemia Mononuclear TGLS = 9-15]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 116

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913566

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 11-16]			
[Leukemia Mononuclear TGLS = 7-17]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-13]			
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Focal, Marked
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3,4,5-9]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Focal, Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 117

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913567

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 5-3]			
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Mild
[Nephropathy TGLS = 6-7]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 7-8]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland	Epithelium	Hyperplasia	Mild
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 117

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913567

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3,4-8]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	Interstit Cell	Hyperplasia	Focal, Minimal
[Adenoma TGLS = 2-9]			
[Atrophy TGLS = 1-9]			
* Thymus	Thymocyte	Atrophy	Moderate
	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 118

TRT#: 5

SEX: Male

DAY ON TEST: 671

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913568

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Leukemia Mononuclear	
* Kidney	Bilateral	Parasite Metazoan	
	Pelvis, Transit Epithe	Cyst	Mild
		Hyperplasia	Minimal
	Bilateral	Leukemia Mononuclear	
[Nephropathy TGLS = 9-7]		Nephropathy	Chronic, Marked
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-8]			
* Lung		Hemorrhage	Marked
[Hemorrhage TGLS = 11-6]		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
[Leukemia Mononuclear TGLS = 10-12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 118

TRT#: 5

SEX: Male

DAY ON TEST: 671

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913568

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-13]			
[Leukemia Mononuclear TGLS = 12-15]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Minimal
* Nose		Inflammation	Chronic Active, Moderate
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 3-9A]			
* Seminal Vesicle		Atrophy	Marked
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5,6-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thymus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 119

TRT#: 5

SEX: Male

DAY ON TEST: 681

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913569

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLS = 3-3]		
* Bone	Femur	Fibrous Osteodystrophy	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 4-7]		
* Liver		Leukemia Mononuclear	
		Necrosis	Marked
	[Necrosis TGLS = 5-12]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Mammary Gland		Galactocele	Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
* Parathyroid Gland	Bilateral	Hyperplasia	Diffuse, Minimal
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Marked
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Phenolphthalein
CAS Number: 77-09-8

Date Report Requested: 10/21/2014
Time Report Requested: 22:45:02
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 119	TRT#: 5 DOSE: 25000 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 681 HISTO: MA913569
-----------------------	--	--	---

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Erosion Hyperplasia Inflammation	Focal, Mild Moderate Chronic, Mild
* Testes [Adenoma TGLS = 1-9]	Bilateral, Interstit Cell	Adenoma	
* Thymus	Thymocyte Epithel Cell	Atrophy Hyperplasia	Moderate Moderate

PRIMARY CAUSE OF DEATH - Kidney Bilateral Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 120

TRT#: 5

SEX: Male

DAY ON TEST: 681

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913570

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
		Schwannoma Malignant	
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 3-2,2.1]			
* Kidney	Pelvis, Transit Epithe Bilateral	Hyperplasia Nephropathy	Minimal Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
Lymph Node	Mediastinal Renal	Leukemia Mononuclear Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-13]			
[Leukemia Mononuclear TGLS = 6-12]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Prostate		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 120

TRT#: 5

SEX: Male

DAY ON TEST: 681

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913570

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			
* Stomach, Forestomach		Ulcer	Focal, Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-9]			
* Thymus	Thymocyte	Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 121

TRT#: 5

SEX: Male

DAY ON TEST: 601

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913571

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Leukemia Mononuclear	
* Liver		Nephropathy	Chronic, Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-8]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-13]		
	[Leukemia Mononuclear TGLS = 8-12]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Minimal
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4,5-8]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2,3-9]		
* Thymus	Thymocyte	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 121

TRT#: 5

DOSE: 25000 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST: 601

HISTO: MA913571

ORGAN AND ACCOUNTABLE SITE STATUS

Epithel Cell

Hyperplasia

Mild

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 661

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913572

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Intestine Large, Cecum	* Lymph Node, Mesenteric
--------------------------	--------------------------

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney	Bilateral	Nephropathy	Chronic, Moderate
	Bilateral, Renal Tubule	Pigmentation	Moderate
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-8]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-12]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2]		
* Mammary Gland		Galactocele	Minimal
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate		Atrophy	Minimal
* Seminal Vesicle		Atrophy	Mild
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 661

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913572

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5,6-8]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2,3-9]

* Thymus

Thymocyte

Atrophy

Marked

Epithel Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 666

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913573

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Cyst	Mild
	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Marked
[Cyst TGLS = 3-7,12]			
[Nephropathy TGLS = 4-7,12]			
* Liver		Degeneration	Cystic, Focal, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Degeneration TGLS = 5-8,13]			
* Lymph Node, Mandibular		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
* Parathyroid Gland	Bilateral	Hyperplasia	Diffuse, Mild
* Preputial Gland	Bilateral	Inflammation	Chronic Active, Moderate
* Prostate	Epithelium	Hyperplasia	Focal, Moderate
* Seminal Vesicle		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-9]			
* Thymus	Thymocyte	Atrophy	Marked
	Epithel Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 666

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913573

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Kidney Bilateral Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 664

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913574

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum * Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex		Necrosis	Minimal
* Adrenal Medulla		Hyperplasia	Focal, Marked
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe Bilateral	Hyperplasia	Minimal
		Nephropathy	Chronic, Mild
* Liver	Hepatocyte	Hepatodiaphragmatic Nodule	
		Vacuolization Cytoplasmic	Minimal
Note: TGL 3-NCL [Hepatodiaphragmatic Nodule TGLS = 4-12.1]			
* Lung		Congestion	Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 1-2]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Nose		Squamous Cell Carcinoma	Metastatic (Oral Mucosa)
Oral Mucosa	Pharyngeal	Squamous Cell Carcinoma	
Note: ORAL MUCOSA RATHER THAN BONE MAXILLA APPEARS TO BE THE PRIMARY SITE FOR TGL 5. [Squamous Cell Carcinoma TGLS = 5-10]			
* Preputial Gland		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 664

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913574

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Epithelium	Hyperplasia	Focal, Moderate
* Seminal Vesicle		Atrophy	Mild
* Spleen	Lymph Follic	Atrophy	Mild
		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH - Oral Mucosa Pharyngeal Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 125

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913575

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* 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	* Nose	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla	Bilateral	Leukemia Mononuclear Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe Bilateral	Cyst Hyperplasia Nephropathy	Minimal Minimal Chronic, Marked
[Nephropathy TGLS = 3-7]			
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Leukemia Mononuclear	
* Parathyroid Gland	Bilateral	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Diffuse, Minimal
		Adenoma	
* Preputial Gland	Bilateral	Leukemia Mononuclear	
* Spleen		Inflammation	Chronic, Minimal
[Leukemia Mononuclear TGLS = 2-8]		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 125	TRT#: 5 DOSE: 25000 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: MA913575
-----------------------	--	---	---

ORGAN AND ACCOUNTABLE SITE STATUS			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Focal, Minimal
[Adenoma TGLS = 1-9]			
* Thymus	Epithel Cell	Hyperplasia	Minimal

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 126

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913576

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Focal, Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Cyst	Mild
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Mild
[Cyst TGLS = 4-7,7.1]			
* Liver		Basophilic Focus Mixed Cell Focus	
Lymph Node	Mediastinal	Hemorrhage	Mild
	Inguinal	Hyperplasia	Lymphoid, Marked
	Mediastinal	Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 5-13]			
* Lymph Node, Mandibular		Degeneration Hyperplasia	Cystic, Mild Lymphoid, Mild
* Mammary Gland			
Note: TGL 1 INVOLVED PREPUTIAL GLAND RATHER THAN MAMMARY GLAND.			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 126

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913576

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Chronic, Mild
[Carcinoma TGLS = 1,2-12]			
* Salivary Glands	Parotid GI	Atrophy	Focal, Minimal
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			
* Thymus	Thymocyte	Atrophy	Moderate
	Epithel Cell	Hyperplasia	Moderate
* Thyroid Gland	Follicle	Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 127

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913577

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Parathyroid Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Focal, Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Cyst	Mild
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Hyperplasia	Focal, Mild
	Bilateral	Nephropathy	Chronic, Marked
	[Cyst TGLS = 8-12]		
	[Nephropathy TGLS = 7-7]		
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Vacuolization Cytoplasmic TGLS = 9-8]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 2-14]		
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Preputial Gland		Adenoma	
		Carcinoma	
		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 127

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913577

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 1-9A]

* Seminal Vesicle

Atrophy

Minimal

* Spleen

Congestion

Mild

Note: TGL 6-NCL

* Testes

Bilateral, Interstit Cell

Adenoma

Note: THE GERMINAL EPITHELIAL ATROPHY WAS CONSIDERED TUMOR RELATED.

[Adenoma TGLS = 3,4,5-9]

* Thymus

Thymocyte

Atrophy

Mild

Epithel Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 128

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913578

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Prostate	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Cyst	Mild
	Bilateral	Nephropathy	Chronic, Marked
	Bilateral, Renal Tubule	Pigmentation	Mild
	[Cyst TGLS = 4-7]		
	[Nephropathy TGLS = 5-7]		
* Liver		Angiectasis	Focal, Mild
		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
	[Angiectasis TGLS = 6-8]		
* Lung			
Note: TGL 8-NCL			
Lymph Node	Renal	Infiltration Cellular	Histiocyte, Mild
	Renal	Leukemia Mononuclear	
	[Infiltration Cellular TGLS = 7-12]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland	Epithelium	Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
	Acinus	Hyperplasia	Focal, Marked
* Parathyroid Gland	Bilateral	Hyperplasia	Diffuse, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 128

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913578

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Hyperplasia	Moderate
	Bilateral	Inflammation	Chronic, Mild
[Inflammation TGLS = 2-9A]			
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 697

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913579

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Bilateral	Nephropathy	Chronic, Marked
	Bilateral, Renal Tubule	Pigmentation	Moderate
	[Nephropathy TGLS = 6-7]		
* Liver		Degeneration	Cystic, Focal, Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-8]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-6]		
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-12]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 697

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913579

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma	
Note: TGL 2 WAS CONSIDERED TUMOR RELATED. [Adenoma TGLS = 1,2,3-9]			
* Thymus	Thymocyte	Atrophy	Marked
	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland	Follicle	Cyst	Minimal
	C Cell	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 713

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913580

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Pancreas
* Prostate	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Salivary Glands	* Thyroid Gland
--------------------------	---------------------	-------------------	-----------------

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	Minimal
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 4-7]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-8]		
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-13]		
	[Leukemia Mononuclear TGLS = 7-12]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
* Mammary Gland		Galactocele	Minimal
* Nose		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Leukemia Mononuclear TGLS = 8-3]	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 713

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913580

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			
* Stomach, Glandular		Erosion	Focal, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-9]			
* Thymus	Thymocyte	Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 131

TRT#: 5

SEX: Male

DAY ON TEST: 416

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913581

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Nose		Inflammation	Chronic Active, Moderate
* Preputial Gland		Adenoma	
[Adenoma TGLS = 2-10A]			
* Salivary Glands	Duct, Sublingual GI	Hyperplasia	Focal, Minimal
* Spleen		Hemangioma	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 132

TRT#: 5

SEX: Male

DAY ON TEST: 634

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913582

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|---------------------------|-----------------------------|----------------------------|
| * Brain | * Epididymis | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Mammary Gland | * Nose |
| * Salivary Glands | * Skin | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

AUTO PRECLUDES DIAG.

- * Intestine Small, Ileum

OBSERVATIONS

- | | | | |
|----------------------------|-----------------------------------|---------------------------|------------------|
| * Adrenal Cortex | Bilateral | Necrosis | Mild |
| * Adrenal Medulla | | Hyperplasia | Focal, Mild |
| | | Pheochromocytoma Benign | |
| Blood Vessel | Aorta, Media | Mineralization | Marked |
| Note: TGL 7-NCL | | | |
| * Bone | Femur | Fibrous Osteodystrophy | Moderate |
| * Bone Marrow | | Hyperplasia | Mild |
| * Heart | | Cardiomyopathy | Mild |
| | Artery | Mineralization | Moderate |
| | Myocardium | Mineralization | Mild |
| * Kidney | Bilateral | Cyst | Mild |
| | Bilateral, Pelvis, Transit Epithe | Hyperplasia | Minimal |
| | Bilateral | Mineralization | Focal, Mild |
| | Bilateral | Nephropathy | Chronic, Marked |
| [Cyst TGLS = 5-7] | | | |
| [Nephropathy TGLS = 4-7] | | | |
| * Liver | Hepatocyte | Vacuolization Cytoplasmic | Mild |
| * Lung | Artery | Mineralization | Marked |
| Lymph Node | Renal | Hemorrhage | Mild |
| [Hemorrhage TGLS = 6-12] | | | |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Histiocyte, Mild |
| * Pancreas | Acinus | Atrophy | Focal, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 132

TRT#: 5

SEX: Male

DAY ON TEST: 634

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913582

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland	Bilateral	Hyperplasia	Diffuse, Moderate
* Pituitary Gland	Pars Distalis	Angiectasis	Focal, Mild
	Pars Distalis	Cyst	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Mild
* Spleen	Lymph Follic	Atrophy	Moderate
* Stomach, Forestomach	Muscularis	Mineralization	Marked
* Stomach, Glandular		Degeneration	Marked
	Muscularis	Mineralization	Marked
		Mineralization	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
Note: TGL 2 WAS CONSIDERED TUMOR RELATED. [Adenoma TGLS = 2,3-9]			
* Thymus	Thymocyte	Atrophy	Marked
	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Kidney Bilateral Nephropathy

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 670

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913583

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon
--------------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Galactoceles	Minimal
* Nose		Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Atrophy	Focal, Mild
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-9]		
* Thymus	Thymocyte	Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 134

TRT#: 5

SEX: Male

DAY ON TEST: 383

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913584

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Intestine Large, Cecum		Inflammation	Acute, Mild
Note: CECUM OBSTRUCTION (GROSS OBSERVATION). TGL 2-NCL			
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Nose		Inflammation	Chronic Active, Moderate
* Preputial Gland	Bilateral	Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Hyperplasia	Focal, Moderate

PRIMARY CAUSE OF DEATH - Intestine Large, Cecum Inflammation

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 135

TRT#: 5

SEX: Male

DAY ON TEST: 632

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913585

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Skin	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex	Bilateral	Necrosis	Moderate
* Adrenal Medulla		Hyperplasia	Focal, Mild
Blood Vessel	Aorta, Media	Mineralization	Marked
[Mineralization TGLS = 5-4]			
* Bone	Femur	Fibrous Osteodystrophy	Marked
* Bone Marrow		Hyperplasia	Mild
* Heart	Artery	Cardiomyopathy	Marked
	Myocardium	Mineralization	Marked
[Cardiomyopathy TGLS = 6-4]		Mineralization	Moderate
* Kidney	Bilateral	Cyst	Mild
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Marked
[Nephropathy TGLS = 4-7]			
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Interstitial	Inflammation	Chronic, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Histiocyte, Mild
* Nose		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Focal, Mild
	Acinus	Hyperplasia	Focal, Moderate
* Parathyroid Gland		Hyperplasia	Diffuse, Moderate
[Hyperplasia TGLS = 7-2,2.1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 135

TRT#: 5

SEX: Male

DAY ON TEST: 632

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913585

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Marked
		Pigmentation	Mild
* Stomach, Forestomach	Muscularis	Mineralization	Marked
* Stomach, Glandular	Muscularis	Degeneration	Marked
		Mineralization	Marked
		Mineralization	Moderate
[Mineralization TGLS = 3-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-9]			
* Thymus	Thymocyte	Atrophy	Marked
	Epithel Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Kidney Bilateral Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913586

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney	Renal Tubule	Adenoma	
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Mild
		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Moderate
	[Leukemia Mononuclear TGLS = 8-7]		
	[Nephropathy TGLS = 7-7]		
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
		Osteosarcoma	Metastatic (Skeletal Muscle)
	[Osteosarcoma TGLS = 10-6,15]		
Lymph Node	Iliac	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-13]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Mild
Note: TGL 2 INVOLVED SUBCUTANEOUS TISSUE RATHER THAN MAMMARY GLAND AS STATED ON THE INDIVIDUAL ANIMAL NECROPSY RECORD.			
* Pituitary Gland		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913586

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Bilateral	Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Moderate
Skeletal Muscle		Osteosarcoma	
[Osteosarcoma TGLS = 9-12]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-14]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			
* Thymus	Thymocyte	Atrophy	Moderate
		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Focal, Mild
		Ultimobranchial Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 633

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913587

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland
* Prostate	* Salivary Glands	* Skin	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Inflammation	Chronic, Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Mild
	Bilateral, Renal Tubule	Pigmentation	Mild
Note: TGL 5-NCL			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8]			
Lymph Node	Mediastinal	Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLS = 7-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-12]			
* Nose		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Focal, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 633

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913587

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

Ulcer

Focal, Moderate

* Stomach, Glandular

Ulcer

Focal, Mild

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-9]

* Thymus

Thymocyte

Atrophy

Marked

* Thyroid Gland

Follicle

Cyst

Minimal

C Cell

Hyperplasia

Focal, Marked

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 138

TRT#: 5

DOSE: 25000 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST: 654

HISTO: MA913588

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum
--------------------------	--------------------------

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
* Brain	Cerebrum	Inflammation	Acute, Mild
* Heart		Cardiomyopathy	Mild
	Myocardium	Inflammation	Acute, Moderate
	Valve	Inflammation	Chronic Active, Marked
* Kidney	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Inflammation	Acute, Marked
	Bilateral	Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 3-7]		
* Liver		Degeneration	Cystic, Focal, Moderate
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Lung	Interstitial	Inflammation	Chronic, Minimal
	Note: TGL 5-NCL		
	Lymph Node	Hyperplasia	Lymphoid, Mild
	Renal	Hyperplasia	Lymphoid, Moderate
	[Hyperplasia TGLS = 6-13]		
	[Hyperplasia TGLS = 4-12]		
* Nose		Inflammation	Chronic Active, Moderate
* Parathyroid Gland	Bilateral	Hyperplasia	Diffuse, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 138

TRT#: 5

SEX: Male

DAY ON TEST: 654

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913588

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Bilateral	Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Mild
		Congestion	Moderate
		Inflammation	Acute, Minimal
[Congestion TGLS = 2-8]			
* Stomach, Glandular	Glands	Inflammation	Acute, Focal, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-9]			
* Thymus	Thymocyte	Atrophy	Marked
	Epithel Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Heart Valve Inflammation		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 623

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913589

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone	Femur	Fibrous Osteodystrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 5-7]		
* Liver		Basophilic Focus	
	Centrilobular	Necrosis	Minimal
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
	Note: TGL 8-NCL		
	[Hyperplasia TGLS = 10-13]		
* Lym Node Mand			
	Note: TGL 7-NCL		
Lymph Node	Renal	Hemorrhage	Mild
	[Hemorrhage TGLS = 6-12]		
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Parathyroid Gland		Hyperplasia	Diffuse, Moderate
	[Hyperplasia TGLS = 9-2]		
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Prostate		Atrophy	Minimal
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 623

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913589

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

Epithelium

Hyperplasia

Mild

* Stomach, Glandular

Glands

Cyst

Focal, Minimal

* Testes

Bilateral, Interstit Cell

Adenoma

Note: TGL 2 WAS CONSIDERED TUMOR RELATED.

[Adenoma TGLS = 2,3,4-9]

* Thymus

Thymocyte

Atrophy

Marked

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Kidney Bilateral Nephropathy

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 671

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913590

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Salivary Glands	* Skin
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Bilateral	Necrosis	Mild
* Adrenal Medulla	Bilateral	Hyperplasia	Focal, Minimal
Blood Vessel	Aorta, Media	Mineralization	Moderate
* Bone	Femur	Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Carcinoma	
	Bilateral	Nephropathy	Chronic, Marked
[Carcinoma TGLS = 8-12]			
[Nephropathy TGLS = 7-7]			
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Focal, Moderate
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Parathyroid Gland	Bilateral	Hyperplasia	Diffuse, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Minimal
* Preputial Gland	Bilateral	Inflammation	Chronic Active, Mild
* Prostate		Atrophy	Minimal
* Seminal Vesicle		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Moderate
		Fibrosis	Mild
[Atrophy TGLS = 4-8]			
[Fibrosis TGLS = 5-8]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 671

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913590

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLS = 6-4]		Ulcer	Focal, Moderate
* Stomach, Glandular		Degeneration	Mild
		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-9]			
* Thymus	Thymocyte	Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Focal, Mild
* Urin Bladder			
Note: TGL 3-NCL			

PRIMARY CAUSE OF DEATH

- Kidney Bilateral Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 372

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913591

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Brain	Ear	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	Skeletal Muscle	* Skin
Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
* Adrenal Medulla		Hyperplasia	Focal, Mild
		Pheochromocytoma Benign	
* Bone	Femur	Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Mild
Ear			
Note: INNER EAR NORMAL.			
* Epididymis		Polyarteritis	Marked
[Polyarteritis TGLS = 1-7A]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	Mild
	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Hyperplasia	Focal, Mild
	Bilateral	Nephropathy	Chronic, Marked
[Cyst TGLS = 5-4A]			
[Nephropathy TGLS = 4-4]			
* Lung		Hemorrhage	Mild
[Hemorrhage TGLS = 7-2A,3]			
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 6-3]			
Mesentery	Artery	Inflammation	Chronic, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 372

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913591

ORGAN AND ACCOUNTABLE SITE STATUS

		Polyarteritis	Marked
[Inflammation TGLS = 3-9A]			
[Polyarteritis TGLS = 2-16]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
Perph Nerve			
Note: SCIATIC NERVE IS NORMAL.			
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Focal, Minimal
* Thymus	Thymocyte	Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Epididymis	Polyarteritis	
Animal Note: CARCASS THIN, TGL 8-NST			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 636

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913592

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Mammary Gland	* Parathyroid Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Focal, Mild
* Bone Marrow		Hyperplasia	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Moderate
* Lung	Interstitial	Inflammation	Acute, Mild
* Lymph Node, Mesenteric		Inflammation	Chronic, Mild
* Nose		Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland	Bilateral	Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Mild
* Spleen			
Note: NO CORRESPONDING LESION FOR TGL 3-8.			
Note: TGL 4-NCL			
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation	Mild Acute, Mild
[Inflammation TGLS = 5-4]			
* Stomach, Glandular		Edema	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-9]			
* Thymus	Thymocyte Epithel Cell	Atrophy Hyperplasia	Marked Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 636

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913592

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 482

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913593

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Intestine Large, Cecum		Leukemia Mononuclear	
* Intestine Large, Colon		Leukemia Mononuclear	
* Intestine Large, Rectum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-5,5A]			
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-5,5B]			
* Intestine Small, Jejunum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-5]			
* Kidney		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Mild
[Leukemia Mononuclear TGLS = 13-4,4A]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 14-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 16-2]			
Lymph Node	Iliac	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-17]			
[Leukemia Mononuclear TGLS = 15-3A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 482

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913593

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 9-9A]			
[Leukemia Mononuclear TGLS = 11-16]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-9]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8A]			
* Nose	Nasolacrim Dct	Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
		Leukemia Mononuclear	
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3]			
* Stomach, Glandular		Erosion	Focal, Mild
[Erosion TGLS = 17-15A]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7, 4-7A]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, YELLOW, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913594

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex	Bilateral	Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-7]			
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Galactocele	Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
Note: TGL 5-NCL			
[Adenoma TGLS = 4-3]			
* Preputial Gland		Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

Note: THE GERMINAL EPITHELIAL ATROPHY CORRELATING WITH TGL 1 WAS CONSIDERED TUMOR RELATED.

[Adenoma TGLS = 1,2-9]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913594

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 698

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913595

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mesenteric

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum * Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Medulla	Bilateral	Hyperplasia	Focal, Moderate
* Bone	Femur	Fibrous Osteodystrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Marked
	Vein	Thrombosis	Moderate
	[Nephropathy TGLS = 5-7]		
* Liver		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Vacuolization Cytoplasmic TGLS = 6-8]		
* Lung	Interstitial	Inflammation	Chronic Active, Mild
* Lym Node Mesen			
Note: TGL 2-NST			
* Lymph Node, Mandibular		Inflammation	Chronic, Moderate
* Pancreas		Necrosis	Diffuse, Marked
	[Necrosis TGLS = 3-2]		
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 698

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913595

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle

Atrophy

Mild

* Spleen

Lymph Follic

Atrophy

Moderate

[Hematopoietic Cell Proliferation TGLS = 4-8]

Hematopoietic Cell Proliferation

Minimal

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-9]

* Thymus

Necrosis

Diffuse, Marked

[Necrosis TGLS = 7-3]

PRIMARY CAUSE OF DEATH

- Kidney Bilateral Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913596

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 4-3]			
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Mild
[Nephropathy TGLS = 5-7]			
* Liver		Eosinophilic Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Interstitial	Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Atrophy	Minimal
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 3-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thymus	Thymocyte	Atrophy	Minimal
	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 444

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913597

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Mammary Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone	Femur	Fibrous Osteodystrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Kidney	Bilateral	Cyst	Mild
	Renal Tubule	Hyperplasia	Focal, Minimal
		Nephropathy	Chronic, Marked
			[Cyst TGLS = 3-4A,4]
			[Nephropathy TGLS = 4-4,4A]
* Liver			
			Note: TGL 7-NCL
* Lung		Hemorrhage	Minimal
			[Hemorrhage TGLS = 5-2A]
* Lymph Node, Mesenteric		Atrophy	Mild
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Focal, Moderate
	Acinus	Hyperplasia	Focal, Moderate
* Parathyroid Gland	Bilateral	Hyperplasia	Diffuse, Mild
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Stomach, Glandular		Degeneration	Mild
		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
			[Adenoma TGLS = 2-7A, 6-7]
* Thymus	Thymocyte	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 444

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913597

ORGAN AND ACCOUNTABLE SITE STATUS

Epithel Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 704

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913598

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone	Femur	Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney	Bilateral	Cyst	Minimal
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Marked
	[Cyst TGLS = 7-7,7.1]		
	[Nephropathy TGLS = 6-7,7.1]		
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Pancreas	Acinus	Hyperplasia	Focal, Mild
* Parathyroid Gland	Bilateral	Hyperplasia	Diffuse, Mild
* Preputial Gland	Bilateral	Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4,5-8]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 704

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913598

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1,2-9]

* Thymus

Thymocyte

Atrophy

Moderate

Epithel Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Kidney Bilateral Nephropathy

Animal Note: ABDOMINAL CAVITY RED FLUID, TGL 3-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 591

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913599

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	Marked
* Kidney		Cyst	Mild
	Bilateral	Nephropathy	Chronic, Mild
	[Cyst TGLS = 5-7]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-8]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-12]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Minimal
* Pancreas	Acinus	Atrophy	Focal, Mild
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-8]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2,3-9]		
* Thymus	Thymocyte	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 591

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913599

ORGAN AND ACCOUNTABLE SITE STATUS

Epithel Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 645

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913600

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 6-3,3.1]			
* Bone Marrow		Leukemia Mononuclear	
		Necrosis	Mild
* Brain	Cerebellum	Inflammation	Acute, Focal, Mild
* Heart		Cardiomyopathy	Minimal
	Myocardium	Inflammation	Acute, Moderate
	Valve	Inflammation	Acute, Marked
* Kidney		Inflammation	Acute, Mild
	Bilateral	Nephropathy	Chronic, Mild
	Bilateral, Renal Tubule	Pigmentation	Minimal
[Nephropathy TGLS = 5-7]			
* Liver		Eosinophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8,9,10,11-8]			
* Lung	Interstitial	Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Infiltration Cellular	Histiocyte, Mild
	Renal	Leukemia Mononuclear	
[Infiltration Cellular TGLS = 12-14]			
[Leukemia Mononuclear TGLS = 7-13]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Galactocele	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 645

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913600

ORGAN AND ACCOUNTABLE SITE STATUS

[Galactoceles TGLS = 1-12]

* Pituitary Gland

Note: TGL 13-NCL

* Preputial Gland

Bilateral

Inflammation

Chronic, Mild

* Prostate

Atrophy

Minimal

* Seminal Vesicle

Atrophy

Moderate

* Spleen

Fibrosis

Mild

Leukemia Mononuclear

[Fibrosis TGLS = 4-8]

[Leukemia Mononuclear TGLS = 3-8]

* Stomach, Glandular

Erosion

Focal, Mild

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-9]

* Thymus

Thymocyte

Atrophy

Moderate

Epithel Cell

Hyperplasia

Mild

* Thyroid Gland

Follicle

Cyst

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 151

TRT#: 7

SEX: Male

DAY ON TEST: 685

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913501

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Mammary Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Skin
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Minimal
Blood Vessel	Aorta, Media	Mineralization	Moderate
[Mineralization TGLS = 6-4]			
* Bone	Femur	Fibrous Osteodystrophy	Mild
* Bone Marrow		Hemorrhage	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Cyst	Mild
	Bilateral	Nephropathy	Chronic, Marked
[Cyst TGLS = 4-7]			
[Nephropathy TGLS = 5-7]			
* Lung	Interstitial	Inflammation	Chronic, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Mild
* Nose		Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Atrophy	Focal, Mild
* Parathyroid Gland	Bilateral	Hyperplasia	Minimal
[Hyperplasia TGLS = 8-2, 2.1]			
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Stomach, Glandular		Degeneration	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 151

TRT#: 7

SEX: Male

DAY ON TEST: 685

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913501

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell
Bilateral, Germinal Epith

Mineralization
Adenoma
Atrophy

Moderate
Marked

[Adenoma TGLS = 2,3-9]

[Atrophy TGLS = 1-9]

* Thymus

Thymocyte
Epithel Cell
Follicular Cel

Atrophy
Hyperplasia
Adenoma

Moderate
Mild

* Thyroid Gland

[Adenoma TGLS = 7-2, 2.1]

PRIMARY CAUSE OF DEATH

- Kidney Bilateral Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 152

TRT#: 7

SEX: Male

DAY ON TEST: 622

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913502

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Granuloma Sperm	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Mild
	Bilateral, Renal Tubule	Pigmentation	Mild
* Liver		Degeneration	Cystic, Focal, Mild
		Leukemia Mononuclear	
		[Degeneration TGLS = 7-8]	
		[Leukemia Mononuclear TGLS = 6-8]	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-2]	
		[Leukemia Mononuclear TGLS = 8-12]	
		[Leukemia Mononuclear TGLS = 9-13]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 152

TRT#: 7

SEX: Male

DAY ON TEST: 622

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913502

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Ulcer	Focal, Moderate
* Stomach, Glandular		Erosion	Focal, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			
* Thymus	Thymocyte	Atrophy	Marked
	Epithel Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 153

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913503

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 2-7]		
* Liver		Eosinophilic Focus	
	[Hepatodiaphragmatic Nodule TGLS = 3-8]	Hepatodiaphragmatic Nodule	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-5]		
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-3]		
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic, Minimal
* Seminal Vesicle		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-9]		
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 153

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913503

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 154

TRT#: 7

SEX: Male

DAY ON TEST: 711

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913504

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Epididymis	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone	Femur	Hyperostosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Brain	Cerebellum	Gliosis	Focal, Mild
* Heart		Cardiomyopathy	Moderate
		Leukemia Mononuclear	
* Intestine Large, Cecum		Necrosis	Marked
* Kidney	Bilateral	Nephropathy	Chronic, Mild
	Bilateral, Renal Tubule	Pigmentation	Mild
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Pigmentation	Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Minimal
	[Inflammation TGLS = 4-9A]		
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2,3-8]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-9]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 154

TRT#: 7

SEX: Male

DAY ON TEST: 711

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913504

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Thymocyte

Atrophy

Marked

Epithel Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 155

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913505

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	Mild
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Mild
	Bilateral	Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 4-7]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Minimal
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-3]			
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate		Atrophy	Mild
	Epithelium	Hyperplasia	Focal, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 155

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913505

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 1-9]	Bilateral, Interstit Cell	Adenoma	
* Thymus	Epithel Cell	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 156

TRT#: 7

SEX: Male

DAY ON TEST: 624

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913506

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Moderate
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta, Media	Mineralization	Moderate
[Mineralization TGLS = 7-4]			
* Bone	Femur	Fibrous Osteodystrophy	Moderate
* Heart	Myocardium	Cardiomyopathy	Moderate
[Cardiomyopathy TGLS = 9, 10-4]		Mineralization	Moderate
* Intestine Large, Cecum	Artery	Erosion	Focal, Minimal
	Muscularis	Inflammation	Chronic, Moderate
* Intestine Large, Colon	Muscularis	Necrosis	Focal, Moderate
* Intestine Small, Duodenum	Muscularis	Necrosis	Focal, Minimal
* Kidney	Bilateral	Cyst	Mild
	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Marked
[Cyst TGLS = 5-7]			
[Nephropathy TGLS = 4-7]			
* Liver	Hepatocyte	Basophilic Focus	Mild
		Vacuolization Cytoplasmic	Mild
* Lung	Interstitial	Hemorrhage	Chronic, Moderate
[Inflammation TGLS = 11-6]		Inflammation	
Lymph Node	Mediastinal	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 8-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 156

TRT#: 7

SEX: Male

DAY ON TEST: 624

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913506

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Focal, Moderate
* Parathyroid Gland		Hyperplasia	Diffuse, Moderate
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Focal, Minimal
* Salivary Glands	Parotid GI	Atrophy	Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Glandular		Degeneration	Moderate
		Mineralization	Mild
[Mineralization TGLS = 6-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Bilateral, Germinal Epith	Atrophy	Moderate
[Adenoma TGLS = 1,2-9]			
[Atrophy TGLS = 3-9]			
* Thymus	Thymocyte	Atrophy	Marked
	Epithel Cell	Hyperplasia	Moderate
* Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH

- Kidney Bilateral Nephropathy

Animal Note: CARCASS THIN, TGL 12-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 157

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913507

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Minimal
		Fibrosis	Minimal
* Kidney		Cyst	Mild
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Mild
	Bilateral	Nephropathy	Chronic, Marked
	[Cyst TGLS = 4-7]		
	[Nephropathy TGLS = 3-7]		
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5,6-8; 7-12]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Hemorrhage	Focal, Moderate
	[Hemorrhage TGLS = 8-3]		
* Preputial Gland	Bilateral	Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1,2-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 157

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913507

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes
[Adenoma TGLS = 9-9]

Bilateral, Interstit Cell

Adenoma

* Thymus

Thymocyte
Epithel Cell

Atrophy
Hyperplasia

Moderate
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 158

TRT#: 7

SEX: Male

DAY ON TEST: 673

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913508

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum * Intestine Small, Ileum

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Mild
* Liver		Eosinophilic Focus	
		Leukemia Mononuclear	
	[Eosinophilic Focus TGLS = 7-8]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-2]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Focal, Mild
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate		Inflammation	Acute, Moderate
* Seminal Vesicle		Atrophy	Moderate
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 1-12]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4,5-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 158

TRT#: 7

SEX: Male

DAY ON TEST: 673

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913508

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

Erosion

Focal, Minimal

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2,3-9]

* Thymus

Thymocyte

Atrophy

Marked

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Animal Note: LESION 1 ON THE INDIVIDUAL ANIMAL NECROPSY RECORD INVOLVED THE SUBCUTANEOUS TISS UE RATHER THAN MAMMARY GLAND.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 159

TRT#: 7

SEX: Male

DAY ON TEST: 485

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913509

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Prostate	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Lymph Node, Mandibular		Pigmentation	Moderate
Note: TGL 3-NCL			
* Lymph Node, Mesenteric		Degeneration	Cystic, Mild
* Nose	Nasolacrim Dct	Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Salivary Glands	Parotid GI	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 2-9A]			
* Skin	Subcut Tiss	Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-10A]			
* Spleen			
Note: NO CORRESPONDING LESION FOR TGL 5-3.			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7A]			
* Thymus	Thymocyte	Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Inflammation

Animal Note: CARCASS THIN, TGL 6-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 160

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913510

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla	Bilateral	Hyperplasia	Focal, Mild
* Bone Marrow		Atrophy	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Prostate		Atrophy	Minimal
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Fibrosis	Minimal
[Fibrosis TGLS = 2-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-9]			
* Thymus	Thymocyte	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 161

TRT#: 7

SEX: Male

DAY ON TEST: 659

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA193511

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 1-NCL Spinal Cord			
Note: TGL 1-NCL			
* Spleen	Lymph Follic	Atrophy	Moderate
Note: TGL 4-NCL			
* Testes [Adenoma TGLS = 2,3-9]	Bilateral, Interstit Cell	Adenoma	
* Thymus	Thymocyte Epithel Cell	Atrophy Hyperplasia	Marked Mild
PRIMARY CAUSE OF DEATH	- Kidney Bilateral Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 162

TRT#: 7

SEX: Male

DAY ON TEST: 654

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913512

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Preputial Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Salivary Glands	* Thyroid Gland
--------------------------	---------------------	-------------------	-----------------

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Adenoma	
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Mild
[Nephropathy TGLS = 4-7]			
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Centrilobular	Necrosis	Minimal
Note: TGL 6-NCL			
[Hepatodiaphragmatic Nodule TGLS = 5-8]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
	Renal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 7-12]			
[Hyperplasia TGLS = 8-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Prostate		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 162

TRT#: 7

SEX: Male

DAY ON TEST: 654

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913512

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle

Atrophy

Moderate

* Spleen

Lymph Follic

Atrophy

Minimal

[Atrophy TGLS = 3-8]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1,2-9]

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 163

TRT#: 7

SEX: Male

DAY ON TEST: 636

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913513

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Skin
* Trachea			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Leukemia Mononuclear Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-9]			
* Heart		Leukemia Mononuclear	
* Kidney	Bilateral	Leukemia Mononuclear Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal Mediastinal	Leukemia Mononuclear Pigmentation	Mild
[Leukemia Mononuclear TGLS = 7-12]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular Leukemia Mononuclear	Histiocyte, Mild
* Pancreas	Acinus	Atrophy Mesothelioma Malignant	Focal, Mild Metastatic (Epididymis)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Phenolphthalein
CAS Number: 77-09-8

Date Report Requested: 10/21/2014
Time Report Requested: 22:45:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 163	TRT#: 7 DOSE: 50000 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 636 HISTO: MA913513
-----------------------	--	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland	Bilateral	Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-8]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Erosion	Focal, Moderate
[Erosion TGLS = 8-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	Follicle	Cyst	Mild
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 164

TRT#: 7

SEX: Male

DAY ON TEST: 570

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913514

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Bilateral	Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-8]		
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-14]		
	[Leukemia Mononuclear TGLS = 9-12]		
	[Leukemia Mononuclear TGLS = 6-13]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Pigmentation	Minimal
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland		Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Moderate
* Skin	Pinna	Schwannoma Malignant	
	[Schwannoma Malignant TGLS = 7-15]		
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 164

TRT#: 7

SEX: Male

DAY ON TEST: 570

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913514

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-8]

* Stomach, Forestomach

Edema

Mild

Epithelium

Hyperplasia

Mild

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2,3-9]

* Thymus

Leukemia Mononuclear

Note: FOR ORGAN SEE SLIDE 12.

* Thyroid Gland

C Cell

Adenoma

Follicle

Cyst

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 165

TRT#: 7

SEX: Male

DAY ON TEST: 696

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913515

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Brain	* Epididymis	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Cortex	Bilateral	Necrosis	Moderate
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone	Femur	Fibrous Osteodystrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Cyst	Mild
	Bilateral	Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-7]			
* Liver		Basophilic Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Lymph Node	Renal	Hemorrhage	Mild
[Hemorrhage TGLS = 3-12]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Pancreas	Acinus	Hyperplasia	Focal, Marked
* Parathyroid Gland		Hyperplasia	Diffuse, Mild
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 165

TRT#: 7

SEX: Male

DAY ON TEST: 696

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913515

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-9]

* Thymus

Thymocyte

Atrophy

Mild

Epithel Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Kidney Bilateral Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 166

TRT#: 7

SEX: Male

DAY ON TEST: 591

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913516

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Glandular	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Bone Marrow		Pheochromocytoma Benign	
* Intestine Large, Cecum		Leukemia Mononuclear	
* Kidney		Edema	Mild
	Bilateral	Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Renal	Pigmentation	Mild
		[Leukemia Mononuclear TGLS = 8-13]	
		[Leukemia Mononuclear TGLS = 6-2]	
		[Leukemia Mononuclear TGLS = 9-12]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Chronic Active, Mild
		Metaplasia	Squamous, Focal, Moderate
* Pancreas		Leukemia Mononuclear	
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 166

TRT#: 7

SEX: Male

DAY ON TEST: 591

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913516

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Schwannoma Malignant TGLS = 5-14]	Subcut Tiss	Schwannoma Malignant	
* Spleen [Leukemia Mononuclear TGLS = 7-8]		Leukemia Mononuclear	
* Stomach, Forestomach		Edema	Mild
* Testes [Adenoma TGLS = 3,4-9]	Bilateral, Interstit Cell	Adenoma	
* Thymus	Thymocyte	Atrophy	Marked
	Epithel Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 167

TRT#: 7

SEX: Male

DAY ON TEST: 528

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913517

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Leukemia Mononuclear Pheochromocytoma Benign	Focal, Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney	Bilateral Bilateral, Renal Tubule	Nephropathy Pigmentation Leukemia Mononuclear	Chronic, Mild Mild
* Liver			
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3A]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-9]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
* Nose		Inflammation	Chronic Active, Mild
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Minimal
* Skin		Hyperplasia Keratoacanthoma	Basal Cell, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 167

TRT#: 7

SEX: Male

DAY ON TEST: 528

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913517

ORGAN AND ACCOUNTABLE SITE STATUS

[Keratoacanthoma TGLS = 4-16]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-3]

* Stomach, Glandular

Erosion

Focal, Mild

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 6-7]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 5-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 168

TRT#: 7

SEX: Male

DAY ON TEST: 652

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913518

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Carcinoma	
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Mild
	Pelvis	Inflammation	Acute, Minimal
	Bilateral	Nephropathy	Chronic, Marked
	[Carcinoma TGLS = 5-12]		
	[Nephropathy TGLS = 6-7]		
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-6]		
Lymph Node	Renal	Congestion	Mild
	Renal	Infiltration Cellular	Histiocyte, Minimal
	[Congestion TGLS = 7-13]		
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Nose		Inflammation	Chronic Active, Marked
* Pancreas	Acinus	Atrophy	Focal, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 168

TRT#: 7

SEX: Male

DAY ON TEST: 652

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913518

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 4-NCL

[Leukemia Mononuclear TGLS = 3-8]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1,2-9]

* Thymus

Thymocyte

Atrophy

Marked

* Thyroid Gland

Follicle

Cyst

Mild

PRIMARY CAUSE OF DEATH

- Kidney Bilateral Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 169

TRT#: 7

SEX: Male

DAY ON TEST: 668

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913519

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Salivary Glands	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric
* Pancreas			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Focal, Mild
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Adenoma Cyst	Minimal
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Marked
[Adenoma TGLS = 9-12]			
[Nephropathy TGLS = 8-7]			
* Liver		Eosinophilic Focus Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
[Eosinophilic Focus TGLS = 5-8]			
[Hepatocellular Adenoma TGLS = 6-8]			
* Lung	Interstitial	Inflammation	Chronic, Mild
Lymph Node	Renal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 4-13]			
* Mammary Gland		Galactocele Mineralization	Marked Focal, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 169

TRT#: 7

SEX: Male

DAY ON TEST: 668

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913519

ORGAN AND ACCOUNTABLE SITE STATUS

[Galactoceles TGLS = 1-5]

* Parathyroid Gland Bilateral Hyperplasia Diffuse, Moderate

* Pituitary Gland Pars Distalis Adenoma

[Adenoma TGLS = 7-3]

* Preputial Gland Inflammation Chronic, Mild

* Prostate Inflammation Acute, Mild

* Seminal Vesicle Atrophy Mild

* Spleen Lymph Follic Atrophy Mild

Congestion Mild

[Congestion TGLS = 3-8]

* Stomach, Forestomach Epithelium Hyperplasia Mild

* Stomach, Glandular Erosion Focal, Mild

* Testes Bilateral, Interstit Cell Hyperplasia Focal, Mild

* Thymus Thymocyte Atrophy Marked

PRIMARY CAUSE OF DEATH - Kidney Bilateral Nephropathy

Animal Note: CARCASS THIN, TGL 2-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 170

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913520

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Marked
	Bilateral, Renal Tubule	Pigmentation	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-8, 9-8,15]		
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-12]		
	[Leukemia Mononuclear TGLS = 11-13]		
	[Leukemia Mononuclear TGLS = 10-17]		
	[Leukemia Mononuclear TGLS = 4-16]		
	[Leukemia Mononuclear TGLS = 12-18]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 170

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913520

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 1-2]		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Mild
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
* Parathyroid Gland	Bilateral	Hyperplasia	Diffuse, Mild
* Pituitary Gland	Pars Distalis Pars Distalis	Cyst Hyperplasia	Mild Focal, Marked
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Marked
* Seminal Vesicle		Atrophy	Moderate
* Spleen [Leukemia Mononuclear TGLS = 5,6-14]		Leukemia Mononuclear	
* Stomach, Forestomach		Edema	Mild
	Epithelium	Hyperplasia	Mild
* Testes [Adenoma TGLS = 2,3-9]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 171

TRT#: 7

SEX: Male

DAY ON TEST: 720

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913521

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	Mild
	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Moderate
[Cyst TGLS = 4-7]			
[Nephropathy TGLS = 3-7]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
[Vacuolization Cytoplasmic TGLS = 5-8]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Pigmentation	Mild
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 171

TRT#: 7

SEX: Male

DAY ON TEST: 720

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913521

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes
[Adenoma TGLS = 2-9]

Bilateral, Interstit Cell

Adenoma

* Thymus

Thymocyte
Epithel Cell

Atrophy
Hyperplasia

Moderate
Mild

PRIMARY CAUSE OF DEATH

- Kidney Bilateral Nephropathy

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 172

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913522

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Pituitary Gland	* Salivary Glands	* Skin
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Inflammation	Minimal
* Adrenal Medulla		Hyperplasia	Focal, Minimal
		Pheochromocytoma Benign	
* Bone	Femur	Fibrous Osteodystrophy	Mild
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Adenoma	
		Cyst	Mild
	Bilateral	Nephropathy	Chronic, Marked
[Cyst TGLS = 7-7,12]			
[Nephropathy TGLS = 6-7]			
* Liver		Basophilic Focus	
		Necrosis	Mild
Note: TGL 9-NCL			
* Lym Node Mand			
Note: TGL 2-NCL			
Lymph Node	Renal	Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Mild
[Hemorrhage TGLS = 8-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland	Epithelium	Hyperplasia	Mild
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
* Parathyroid Gland	Bilateral	Hyperplasia	Diffuse, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 172

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913522

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Pigmentation	Mild
Note: NO CORRELATING LESION FOR TGL 5-8.			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Ulcer	Focal, Mild
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3,4-9]			
* Thymus	Thymocyte	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 173

TRT#: 7

SEX: Male

DAY ON TEST: 673

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913523

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Bilateral	Hematopoietic Cell Proliferation Hyperplasia	Mild Focal, Mild
* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Focal, Mild
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus Degeneration	Cystic, Focal, Minimal
* Lymph Node, Mesenteric		Degeneration	Cystic, Focal, Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Seminal Vesicle		Atrophy	Mild
* Skin	Subcut Tiss	Fibroma	
Note: TGL 2 INVOLVES THE SUBCUTANEOUS TISSUE RATHER THAN MAMMARY GLAND. [Fibroma TGLS = 2-12]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3,4-9]			
* Thymus	Thymocyte Epithel Cell	Atrophy Hyperplasia	Moderate Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 173

TRT#: 7

SEX: Male

DAY ON TEST: 673

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913523

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 174

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913524

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Nose	* Pituitary Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Malignant	Focal, Mild
[Pheochromocytoma Malignant TGLS = 7-3]			
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral, Pelvis, Transit Epithe Bilateral	Hyperplasia Nephropathy	Minimal Chronic, Marked
[Nephropathy TGLS = 6-7]			
* Liver		Basophilic Focus Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8,9-8, 10-12]			
* Lung		Leukemia Mononuclear	
Lymph Node	Renal Renal	Leukemia Mononuclear Pigmentation	Moderate
[Leukemia Mononuclear TGLS = 11-12]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Focal, Mild
* Parathyroid Gland	Bilateral	Hyperplasia	Diffuse, Minimal
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-9A]	Bilateral	Inflammation	Chronic, Moderate
* Seminal Vesicle		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 174

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913524

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 4,5-8]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 2,3-9]	Bilateral, Interstit Cell	Adenoma	
* Thymus	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 175

TRT#: 7

SEX: Male

DAY ON TEST: 626

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913525

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney	Renal Tubule	Adenoma	
		Cyst	Marked
	Pelvis, Transit Epithe	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Mild
	[Adenoma TGLS = 7-7]		
	[Cyst TGLS = 8-13]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-8,14]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-2]		
	[Leukemia Mononuclear TGLS = 6-12]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 175

TRT#: 7

SEX: Male

DAY ON TEST: 626

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913525

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 11-13]

* Lymph Node, Mandibular

Leukemia Mononuclear

* Lymph Node, Mesenteric

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-5]

* Pancreas

Leukemia Mononuclear

* Pituitary Gland

Pars Distalis

Cyst

Mild

Pars Distalis

Hyperplasia

Focal, Minimal

* Preputial Gland

Bilateral

Inflammation

Chronic Active, Minimal

* Prostate

Atrophy

Mild

* Seminal Vesicle

Atrophy

Moderate

Skel Muscle

Note: DIAPHRAGM, TGL 10-NCL

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-8]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1,2-9]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 176

TRT#: 7

SEX: Male

DAY ON TEST: 710

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913526

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Brain	* Epididymis	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Salivary Glands	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone	Femur	Fibrous Osteodystrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum	Epithelium	Hyperplasia	Minimal
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 3-2, 2.1]			
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Carcinoma	
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Moderate
[Carcinoma TGLS = 6-7]			
[Nephropathy TGLS = 5-7]			
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Mild
[Hepatocellular Adenoma TGLS = 4-8, 12]			
* Lung		Carcinoma	Metastatic (Kidney)
Lymph Node	Mediastinal	Carcinoma	Metastatic (Kidney)
	Renal	Carcinoma	Metastatic (Kidney)
[Carcinoma TGLS = 7-12]			
[Carcinoma TGLS = 8-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 176

TRT#: 7

SEX: Male

DAY ON TEST: 710

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913526

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Focal, Minimal
* Parathyroid Gland		Hyperplasia	Diffuse, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate		Atrophy	Minimal
* Seminal Vesicle		Atrophy	Mild
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 2-8]			
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-9]			
* Thymus	Thymocyte	Atrophy	Moderate
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	Follicle	Cyst	Mild
PRIMARY CAUSE OF DEATH	- Kidney Renal Tubule Carcinoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 177

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913527

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla	Bilateral	Hyperplasia	Focal, Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Cyst	Mild
	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Marked
	[Cyst TGLS = 6-13]		
	[Nephropathy TGLS = 5-7]		
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-8]		
* Lung		Hemorrhage	Mild
Lymph Node	Iliac	Infiltration Cellular	Histiocyte, Minimal
	Renal	Infiltration Cellular	Histiocyte, Mild
	Iliac	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Infiltration Cellular TGLS = 9-12]		
	[Infiltration Cellular TGLS = 7-14]		
	[Leukemia Mononuclear TGLS = 10-13]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-2]		
* Mammary Gland		Galactocele	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 177

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913527

ORGAN AND ACCOUNTABLE SITE STATUS

[Galactoceles TGLS = 1-5]

* Nose		Inflammation	Chronic Active, Moderate
* Parathyroid Gland		Hyperplasia	Diffuse, Minimal
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Mild
* Spleen		Leukemia Mononuclear	

[Leukemia Mononuclear TGLS = 4-8]

* Testes	Bilateral, Interstit Cell	Adenoma	
----------	---------------------------	---------	--

[Adenoma TGLS = 3-9]

* Thymus	Thymocyte	Atrophy	Marked
	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland	Follicular Cel	Adenoma	

[Adenoma TGLS = 11-2]

Zymbal's Gland		Carcinoma	
----------------	--	-----------	--

[Carcinoma TGLS = 12-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 178

TRT#: 7

SEX: Male

DAY ON TEST: 664

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913528

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Marked
	Bilateral, Renal Tubule	Pigmentation	Moderate
		Leukemia Mononuclear	
* Liver			
Note: TGL 6-NCL			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Mild
* Nose		Inflammation	Chronic Active, Moderate
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Seminal Vesicle		Atrophy	Marked
* Skin		Hyperkeratosis	Marked
	Subcut Tiss	Inflammation	Acute, Mild
	Vein	Inflammation	Acute, Marked
	Artery	Thrombosis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 178

TRT#: 7

SEX: Male

DAY ON TEST: 664

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913528

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperkeratosis TGLS = 1-12]

[Inflammation TGLS = 2-13]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4,5-8]

* Stomach, Forestomach

Erosion

Focal, Mild

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-9]

* Thymus

Thymocyte

Atrophy

Marked

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 179

TRT#: 7

SEX: Male

DAY ON TEST: 563

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913529

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* 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	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Focal, Moderate
	Bilateral	Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Mild
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-8]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Acute, Mild
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-8]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Phenolphthalein
CAS Number: 77-09-8

Date Report Requested: 10/21/2014
Time Report Requested: 22:45:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 179

TRT#: 7
DOSE: 50000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 563
HISTO: MA913529

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes
[Adenoma TGLS = 1,2-9]

Bilateral, Interstit Cell

Adenoma

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 180

TRT#: 7

SEX: Male

DAY ON TEST: 524

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913530

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Bone Marrow	* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Mild
[Nephropathy TGLS = 6-4]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Chronic Active, Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2,5-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus	Thymocyte	Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 4-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 181

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913531

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Pancreas	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Cyst	Mild
		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Marked
[Nephropathy TGLS = 7-7]			
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-5]			
* Mammary Gland		Fibroadenoma	
		Galactocele	Mild
[Fibroadenoma TGLS = 2-5,12]			
* Parathyroid Gland	Bilateral	Hyperplasia	Diffuse, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 9-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 181

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913531

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Adenoma	
		Inflammation	Chronic Active, Mild
[Adenoma TGLS = 1-9.1]			
* Prostate		Inflammation	Acute, Mild
* Seminal Vesicle		Atrophy	Mild
* Skin	Pinna	Schwannoma Malignant	
[Schwannoma Malignant TGLS = 8-13]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3,4-9]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913532

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Bilateral	Cyst	Mild
	Renal Tubule	Hyperplasia	Oncocytic, Marked
	Bilateral	Nephropathy	Chronic, Marked
Note: THE FOCUS OF HYPERPLASIA OF THE RENAL TUBULAR EPITHELIAL APPEARS COMPRISED OF ONCOCYTES.			
Note: TGL 4-NCL			
[Cyst TGLS = 5-7]			
[Nephropathy TGLS = 3-7]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Parathyroid Gland		Hyperplasia	Diffuse, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-3]			
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Marked
Note: TGL 2-NCL			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913532

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-9]

* Thymus

Thymocyte
Epithel Cell

Atrophy
Hyperplasia

Moderate
Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CARCASS THIN, TGL 6-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 183

TRT#: 7

SEX: Male

DAY ON TEST: 645

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913533

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla	Bilateral	Hyperplasia	Focal, Minimal
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Minimal
* Int Lg Cecum			
Note: TGL 4-NCL			
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Mild
	Bilateral, Renal Tubule	Pigmentation	Mild
[Pigmentation TGLS = 7-7]			
* Liver		Hematopoietic Cell Proliferation	Moderate
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Vacuolization Cytoplasmic TGLS = 8-8]			
Lymph Node	Pancreatic	Fibrosis	Mild
	Mediastinal	Hematopoietic Cell Proliferation	Mild
	Pancreatic	Hematopoietic Cell Proliferation	Mild
	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Pigmentation	Moderate
[Hematopoietic Cell Proliferation TGLS = 6-12]			
[Hemorrhage TGLS = 9-13]			
* Lymph Node, Mesenteric		Ectasia	Mild
Mesentery	Fat	Necrosis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 183

TRT#: 7

SEX: Male

DAY ON TEST: 645

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913533

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 3-14]

* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate		Inflammation	Acute, Minimal
* Seminal Vesicle		Atrophy	Marked
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Mild

[Hematopoietic Cell Proliferation TGLS = 5-8]

* Stomach, Forestomach		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	Metastatic (Epididymis)

[Adenoma TGLS = 2-9]

* Thymus	Thymocyte	Atrophy	Marked
----------	-----------	---------	--------

PRIMARY CAUSE OF DEATH - Epididymis Mesothelioma Malignant

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 184

TRT#: 7

SEX: Male

DAY ON TEST: 718

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913534

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Nose	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum * Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Focal, Marked
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Bilateral	Nephropathy	Chronic, Marked
	Renal Tubule	Oncocytoma Benign	
	[Nephropathy TGLS = 4-7]		
* Liver		Basophilic Focus	
		Degeneration	Cystic, Focal, Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Epithelium	Hyperplasia	Marked
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Adenoma	
		Inflammation	Chronic, Mild
	[Adenoma TGLS = 1-9A]		
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 184

TRT#: 7

SEX: Male

DAY ON TEST: 718

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913534

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2,3-9]	Bilateral, Interstit Cell	Adenoma	
* Thymus	Thymocyte	Atrophy	Marked
	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland [Carcinoma TGLS = 5-2]	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH - Kidney Bilateral Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 185

TRT#: 7

SEX: Male

DAY ON TEST: 542

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913535

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Thymus

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
		Pheochromocytoma Benign	
Blood Vessel	Aorta, Media	Mineralization	Marked
[Mineralization TGLS = 3-4]			
* Bone	Femur	Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Renal Tubule	Adenoma	
	Bilateral	Cyst	Mild
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Hyperplasia	Focal, Marked
	Bilateral	Nephropathy	Chronic, Marked
[Nephropathy TGLS = 4-7]			
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Vacuolization Cytoplasmic TGLS = 2-8]			
* Lung	Interstitial	Hemorrhage	Moderate
		Inflammation	Chronic, Mild
[Hemorrhage TGLS = 8-6]			
* Lymph Node, Mandibular		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 185

TRT#: 7

SEX: Male

DAY ON TEST: 542

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913535

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Pigmentation	Mild
* Nose		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Focal, Mild
* Parathyroid Gland		Hyperplasia	Diffuse, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-3]			
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
[Atrophy TGLS = 7-8]			
* Stomach, Glandular		Degeneration	Moderate
		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5,6-9]			

PRIMARY CAUSE OF DEATH

- Kidney Bilateral Nephropathy

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 186

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913536

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Bilateral	Cyst	Minimal
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Moderate
	[Cyst TGLS = 4-7,12]		
	[Nephropathy TGLS = 3-7]		
* Liver		Eosinophilic Focus	
		Leukemia Mononuclear	
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Histiocyte, Mild
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Adenoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Minimal
* Seminal Vesicle		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8]		
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-9]		
* Thymus	Epithel Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 186

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913536

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 187

TRT#: 7

SEX: Male

DAY ON TEST: 594

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913537

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Rectum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Focal, Mild
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Necrosis	Mild
[Necrosis TGLS = 4-8]			
* Lung		Congestion	Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Nose		Inflammation	Chronic Active, Moderate
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Mild
* Spleen		Congestion	Mild
[Congestion TGLS = 3-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-9]			
* Thymus	Thymocyte	Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 188

TRT#: 7

SEX: Male

DAY ON TEST: 700

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913538

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Skin
* Spleen	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone	Femur	Fibrous Osteodystrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
* Kidney	Bilateral	Cyst	Minimal
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Marked
[Nephropathy TGLS = 5-7]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Pancreas	Acinus	Atrophy	Focal, Mild
	Acinus	Hyperplasia	Focal, Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 1-9A]			
* Seminal Vesicle		Atrophy	Mild
* Stomach, Forestomach		Erosion	Focal, Mild
	Epithelium	Hyperplasia	Moderate
		Ulcer	Focal, Marked
[Ulcer TGLS = 4-12]			
* Stomach, Glandular		Inflammation	Acute, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 188

TRT#: 7

SEX: Male

DAY ON TEST: 700

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913538

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2,3-9]	Bilateral, Interstit Cell	Adenoma	
* Thymus	Thymocyte	Atrophy	Moderate
* Thyroid Gland [Carcinoma TGLS = 6-2]	Follicular Cel C Cell	Adenoma Carcinoma	

PRIMARY CAUSE OF DEATH - Kidney Bilateral Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 664

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913539

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 7-3]			
* Bone Marrow		Hyperplasia	Mild
* Kidney	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
[Nephropathy TGLS = 6-7]	Bilateral	Nephropathy	Chronic, Marked
* Liver		Eosinophilic Focus	
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Nose		Inflammation	Chronic Active, Mild
		Metaplasia	Squamous, Focal, Mild
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 5-8]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	

Note: THE GERMINAL EPITHELIAL ATROPHY OBSERVED WAS CONSIDERED TUMOR RELATED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 664

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913539

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2,3-9]

* Thymus

Thymocyte

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Kidney Bilateral Nephropathy

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 190

TRT#: 7

SEX: Male

DAY ON TEST: 541

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913540

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* 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	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Leukemia Mononuclear	
* Liver		Nephropathy	Chronic, Mild
	[Leukemia Mononuclear TGLS = 4-8]	Leukemia Mononuclear	
* Lung		Hemorrhage	Mild
	[Hemorrhage TGLS = 11-13]	Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-12]		
	[Leukemia Mononuclear TGLS = 8-14]		
	[Leukemia Mononuclear TGLS = 9-15]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Focal, Moderate
* Pituitary Gland		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 190

TRT#: 7

SEX: Male

DAY ON TEST: 541

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913540

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland [Inflammation TGLS = 3-9A]	Bilateral	Inflammation	Chronic, Mild
* Prostate		Inflammation	Acute, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen [Leukemia Mononuclear TGLS = 7-8]		Leukemia Mononuclear	
* Stomach, Forestomach		Edema	Mild
	Epithelium	Hyperplasia	Mild
* Stomach, Glandular [Erosion TGLS = 12-4]		Erosion	Focal, Mild
* Testes [Adenoma TGLS = 5,6-9]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 717

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913541

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign Pheochromocytoma Malignant	
[Pheochromocytoma Benign TGLS = 5-3]			
* Bone	Femur	Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Cyst	Mild
	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Marked
[Nephropathy TGLS = 6-7]			
* Liver		Angiectasis	Focal, Minimal
		Basophilic Focus	
		Necrosis	Marked
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Necrosis TGLS = 7-12]			
* Lung	Interstitial	Inflammation	Chronic, Moderate
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Acute, Minimal
* Seminal Vesicle		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 717

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913541

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Lymph Follic	Atrophy	Marked
		Fibrosis	Minimal
[Atrophy TGLS = 4-8]			
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2,3-9]			
* Thymus	Thymocyte	Atrophy	Marked
	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Kidney Bilateral Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 693

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913542

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Bilateral	Leukemia Mononuclear Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy Leukemia Mononuclear	Mild
* Int Sm Jejunum			
Note: THE INTUSSUSCEPTION OF THE JEJUNUM IS CONSIDERED A POSTMOREM EVENT.			
Note: TGL 3-NCL			
* Kidney	Bilateral, Pelvis, Transit Epithe Bilateral	Hyperplasia Nephropathy	Minimal Chronic, Marked
[Nephropathy TGLS = 6-7]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-8]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Degeneration Leukemia Mononuclear	Cystic, Mild
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Minimal
Mesentery	Fat	Metaplasia Necrosis	Osseous, Moderate Moderate
[Necrosis TGLS = 4-13]			
* Pancreas	Acinus	Atrophy	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 693

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913542

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thymus	Thymocyte	Atrophy	Moderate
		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Focal, Marked

PRIMARY CAUSE OF DEATH - Kidney Bilateral Nephropathy

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 193

TRT#: 7

SEX: Male

DAY ON TEST: 612

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913543

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2,2.1]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Moderate
* Seminal Vesicle		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thymus	Epithel Cell	Hyperplasia	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 193

TRT#: 7

SEX: Male

DAY ON TEST: 612

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913543

ORGAN AND ACCOUNTABLE SITE STATUS

Zymbal's Gland

Carcinoma

[Carcinoma TGLS = 4-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 585

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913544

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Focal, Moderate
* Kidney	Bilateral	Nephropathy	Chronic, Mild
[Nephropathy TGLS = 4-7]			
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
* Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 3-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-3,3.1]			
* Preputial Gland		Adenoma	
		Inflammation	Chronic, Mild
[Adenoma TGLS = 2-13]			
* Prostate		Inflammation	Acute, Minimal
* Seminal Vesicle		Atrophy	Mild
* Skin			
Note: TGL 2 INVOLVES THE PREPUTIAL GLAND RATHER THAN SKIN.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 585

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913544

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation Leukemia Mononuclear	Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Focal, Mild
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Preputial Gland Adenoma

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 195

TRT#: 7

SEX: Male

DAY ON TEST: 665

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913545

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Rectum	* Lung
* Mammary Gland	* Nose	* Pituitary Gland	* Salivary Glands
* Skin	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Spleen	* Stomach, Forestomach	* Stomach, Glandular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone	Femur	Fibrous Osteodystrophy	Minimal
* Bone Marrow		Necrosis	Moderate
* Kidney	Bilateral	Cyst	Mild
	Pelvis, Transit Epithe	Hyperplasia	Mild
	Bilateral	Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-7,7.1]			
* Liver		Eosinophilic Focus	
* Lymph Node, Mandibular		Infiltration Cellular	Histiocyte, Minimal
* Preputial Gland	Bilateral	Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Acute, Minimal
* Seminal Vesicle		Atrophy	Marked
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
	Interstitial Cell	Hyperplasia	Focal, Minimal
[Adenoma TGLS = 1-9]			
[Atrophy TGLS = 3-9]			
* Thymus	Thymocyte	Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Kidney Bilateral Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 671

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913546

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Prostate	* Salivary Glands	* Stomach, Forestomach
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone	Femur	Fibrous Osteodystrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Kidney	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 4-7,16]		
* Liver		Degeneration	Cystic, Focal, Mild
	[Degeneration TGLS = 5-15]		
* Lung		Congestion	Minimal
	Interstitialium	Inflammation	Chronic, Minimal
	[Congestion TGLS = 6-15]		
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Parathyroid Gland		Hyperplasia	Diffuse, Mild
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Moderate
* Skin		Ulcer	Moderate
	[Ulcer TGLS = 1-12]		
* Spleen	Lymph Follic	Atrophy	Mild
	Note: TGL 3-NCL		
* Stomach, Glandular		Mineralization	Minimal
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 671

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913546

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 2-NCL	Germinal Epith	Atrophy	Marked
* Thymus	Thymocyte	Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Kidney Bilateral Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 197

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913547

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	Minimal
	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Hyperplasia	Focal, Mild
	Bilateral	Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 5-7,7.1]			
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2,2.1]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3,4-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 197

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913547

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 7-NCL

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 198

TRT#: 7

SEX: Male

DAY ON TEST: 633

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913548

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Mammary Gland	* Parathyroid Gland	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign Osteosarcoma	Focal, Mild
* Bone Note: FEMUR IS NORMAL. [Osteosarcoma TGLS = 2-13]	Cranium		
Eye [Inflammation TGLS = 1-12]	Cornea	Inflammation	Chronic Active, Marked
* Heart		Cardiomyopathy	Minimal
* Kidney [Nephropathy TGLS = 9-7]	Bilateral, Pelvis, Transit Epithe Bilateral	Cyst Hyperplasia Nephropathy	Minimal Minimal Chronic, Moderate
* Liver [Leukemia Mononuclear TGLS = 11-15,15.1]		Basophilic Focus Eosinophilic Focus Leukemia Mononuclear	
* Lung		Osteosarcoma	Metastatic (Bone)
* Lymph Node, Mandibular [Hyperplasia TGLS = 4-2]		Hyperplasia	Lymphoid, Marked
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose	Nasolacrim Dct	Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland [Adenoma TGLS = 12-3]	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 198

TRT#: 7

SEX: Male

DAY ON TEST: 633

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913548

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate		Inflammation	Acute, Mild
* Salivary Glands	Submandibul GI	Atrophy	Mild
* Seminal Vesicle		Atrophy	Moderate
* Skin	Lip	Ulcer	Moderate
[Ulcer TGLS = 3-14]			
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 10-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
Note: THE GERMINAL EPITHELIAL ATROPHY PRESENT WAS CONSIDERED TUMOR RELATED.			
[Adenoma TGLS = 5-9, 6-16, 7-9]			
* Thymus	Thymocyte	Atrophy	Marked
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	
Tooth		Necrosis	Marked

PRIMARY CAUSE OF DEATH - Bone Cranium Osteosarcoma

Animal Note: TGL 2 ACTUALLY INVOLVED BONE, CRANIUM, RATHER THAN ZYMBALS GLAND AS STATED ON IN DIVIDUAL ANIMAL NECROPSY RECORD.

Animal Note: CARCASS THIN, TGL 8-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 717

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913549

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|--------------------------|
| * Brain | * Epididymis | * Esophagus | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Lung |
| * Lymph Node, Mandibular | * Mammary Gland | * Pancreas | * Pituitary Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Preputial Gland

AUTO PRECLUDES DIAG.

- | | |
|--------------------------|----------------------------|
| * Intestine Large, Cecum | * Intestine Small, Jejunum |
|--------------------------|----------------------------|

OBSERVATIONS

- | | | | |
|-------------------------------|-----------------------------------|---------------------------|---------------------|
| * Adrenal Cortex | | Necrosis | Minimal |
| * Adrenal Medulla | Bilateral | Pheochromocytoma Benign | |
| Blood Vessel | Aorta, Media | Mineralization | Moderate |
| [Mineralization TGLS = 4-4] | | | |
| * Bone | Femur | Fibrous Osteodystrophy | Marked |
| * Bone Marrow | | Hyperplasia | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Islets, Pancreatic | | Hyperplasia | Focal, Mild |
| * Kidney | Bilateral | Cyst | Mild |
| | Bilateral, Pelvis, Transit Epithe | Hyperplasia | Minimal |
| | Bilateral | Mineralization | Focal, Mild |
| | Bilateral | Nephropathy | Chronic, Marked |
| [Cyst TGLS = 6-12] | | | |
| [Nephropathy TGLS = 3-7] | | | |
| * Liver | | Degeneration | Cystic, Focal, Mild |
| | | Eosinophilic Focus | |
| | Hepatocyte | Vacuolization Cytoplasmic | Minimal |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Histiocyte, Minimal |
| * Nose | | Inflammation | Acute, Mild |
| * Parathyroid Gland | Bilateral | Hyperplasia | Diffuse, Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Phenolphthalein
CAS Number: 77-09-8

Date Report Requested: 10/21/2014
Time Report Requested: 22:45:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 199	TRT#: 7	SEX: Male	DAY ON TEST: 717
	DOSE: 50000 PPM	DISP: Natural Death	HISTO: MA913549

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 5-2.1]			
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Minimal
* Spleen	Lymph Follic	Atrophy	Marked
		Pigmentation	Mild
* Stomach, Glandular		Degeneration	Moderate
		Mineralization	Focal, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-9]			
* Thymus	Thymocyte	Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH - Kidney Bilateral Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913550

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Minimal
* Adrenal Medulla	Bilateral	Hyperplasia	Focal, Marked
* Bone Marrow		Hyperplasia	Mild
Eye	Retina	Atrophy	Marked
	Cornea	Inflammation	Chronic, Mild
[Inflammation TGLS = 1-12]			
* Kidney		Cyst	Mild
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 4-7]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Minimal
* Pancreas	Acinus	Atrophy	Focal, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-3]			
* Preputial Gland	Bilateral	Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Focal, Mild
* Seminal Vesicle		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913550

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 3-8]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 2-9]	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Focal, Minimal
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 216

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913666

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Myelofibrosis	Marked
* Brain		Hydrocephalus	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
	Bilateral, Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lung		Alveolar/Bronchiolar Adenoma	
		Hemorrhage	Mild
* Lymph Node, Mesenteric		Ectasia	Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Minimal
[Fibroadenoma TGLS = 1-12, 2-13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-3]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thyroid Gland	C Cell	Adenoma	
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 217

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: MA913667

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Clitoral Gland		Adenoma	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung	Interstitialium	Inflammation	Chronic, Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-3]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			
* Thymus	Thymocyte	Atrophy	Moderate
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 218

TRT#: 2

SEX: Female

DAY ON TEST: 370

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913668

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Clitoral Gland		Inflammation	Chronic, Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Lung	Interstitial	Inflammation	Chronic, Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
Mesentery		Accessory Spleen	
[Accessory Spleen TGLS = 3-15]			
* Ovary	Bilateral	Tubulostromal Adenoma	
Note: THE OVARIAN NEOPLASM IS CONSISTENT WITH SERTOLI CELL TUMORS, BENIGN.			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Thyroid Gland	C Cell	Hyperplasia	Diffuse, Mild
* Trachea		Inflammation	Chronic, Mild
* Uterus	Endometrium	Atrophy	Moderate
[Atrophy TGLS = 2-7A]			

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 219

TRT#: 2

SEX: Female

DAY ON TEST: 650

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913669

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Parathyroid Gland	* Skin	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum		Edema	Moderate
		Necrosis	Moderate
* Intestine Large, Rectum		Edema	Moderate
		Inflammation	Acute, Mild
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Papilla	Necrosis	Moderate
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-8]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Necrosis TGLS = 2-2]	Necrosis	Moderate
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-5]		
* Mammary Gland		Galactocele	Mild
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLS = 4-12]		
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-3]		
* Salivary Glands		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 219

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 650

HISTO: MA913669

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 5-8]		Leukemia Mononuclear	
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Erosion	Focal, Mild
		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
* Uterus	Endometrium	Inflammation	Acute, Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 220

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913670

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Nose	* Ovary	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Clitoral Gland		Adenoma	
Note: TGL 2 IN SECTION REPRESENTS PRIMARILY KERATIN DEBRIS. [Adenoma TGLS = 2-9,9.1,14]			
* Kidney		Fibrosis	Focal, Mild
	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Mild
	Bilateral, Pelvis	Inflammation	Chronic Active, Mild
	Bilateral	Nephropathy	Chronic, Mild
[Fibrosis TGLS = 3-7]			
* Liver		Basophilic Focus	
		Mixed Cell Focus	
Note: TGL 4-NCL			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Galactocele	Mild
[Fibroadenoma TGLS = 1-12]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus	Thymocyte	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 220

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913670

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Follicle

Cyst

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 221

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913671

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Kidney	* Lymph Node, Mandibular
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland [Adenoma TGLS = 3-9]	Bilateral	Adenoma	
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
Note: TGL 4-NCL			
* Lung		Hemorrhage	Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland [Fibroadenoma TGLS = 1-13, 2-14]		Fibroadenoma	
		Galactocele	Minimal
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland [Adenoma TGLS = 5-3]	Pars Distalis	Adenoma	
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 222

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913672

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
		[Mixed Cell Focus TGLS = 2-8,12]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 4-5]	
* Nose	Turbinate	Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 3-3]	
* Skin			
		Note: TGL 4 ACTUALLY INVOLVED MAMMARY GLAND RATHER THAN SKIN AS STATED ON INDIVIDUAL ANIMAL NECROPSY RECORD.	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-8]	
* Thymus	Thymocyte	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 222

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913672

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Epithel Cell

Hyperplasia

Mild

C Cell

Hyperplasia

Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 223

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913673

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland		Inflammation	Chronic, Minimal
Eye	Retina	Atrophy	Marked
	Lens	Cataract	Mild
	Cornea	Inflammation	Chronic, Minimal
Note: TGL 1-NCL			
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
	Bilateral, Renal Tubule	Pigmentation	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-8]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Lymph Node, Mesenteric		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Adenoma	
[Adenoma TGLS = 3-5]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-3]			
* Skin			
Note: TGL 3 ACTUALLY INVOLVED MAMMARY GLAND RATHER THAN SKIN AS STATED ON THE INDIVIDUAL ANIMAL NECROPSY RECORD.			
* Spleen		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 223

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913673

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

Glands

Cyst

Focal, Minimal

* Thymus

Thymocyte

Atrophy

Mild

* Thyroid Gland

C Cell

Hyperplasia

Focal, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 224

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913674

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
Eye			
Note: TGL 1-NCL			
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-12]			
* Lung	Interstitial	Inflammation	Chronic, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		Galactocele	Minimal
[Fibroadenoma TGLS = 1-12]			
* Nose		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-3]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus	Thymocyte	Atrophy	Moderate
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Mild
* Trachea		Inflammation	Acute, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 224

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913674

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 225

TRT#: 2

SEX: Female

DAY ON TEST: 723

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913675

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Intestine Small, Ileum	* Islets, Pancreatic
* Kidney	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
--------------------------	---------------------------	-----------------------------	----------------------------

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-9]			
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Intestine Large, Colon		Parasite Metazoan	
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Necrosis	Marked
[Leukemia Mononuclear TGLS = 2,3-8,12]			
[Necrosis TGLS = 4-8]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6,6.1]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 5-13]			
* Pancreas	Acinus	Atrophy	Diffuse, Mild
Note: TGL 9-NCL			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 225

TRT#: 2

SEX: Female

DAY ON TEST: 723

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913675

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

Tongue

Squamous Cell Carcinoma

[Squamous Cell Carcinoma TGLS = 8-13]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 226

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913676

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-8,13]			
* Lung	Alveolar Epith	Hyperplasia	Focal, Mild
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-3,3.1]			
* Spleen		Leukemia Mononuclear	
* Thymus	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
* Uterus	Endometrium	Polyp Stromal	Multiple
[Polyp Stromal TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 227

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 702

HISTO: MA913677

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Pigmentation	Mild
* Bone	Femur	Hyperostosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart	Atrium	Cardiomyopathy Thrombosis	Minimal Moderate
* Kidney	Bilateral	Mineralization	Focal, Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-12]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma Galactocele	Minimal
[Fibroadenoma TGLS = 2-13]			
* Pituitary Gland	Pars Distalis	Cyst	Minimal
Note: TGL 6-NCL			
* Salivary Glands	Submandibul GI	Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
* Stomach, Glandular		Erosion	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 227

TRT#: 2

SEX: Female

DAY ON TEST: 702

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913677

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Thymocyte

Atrophy

Marked

Epithel Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Animal Note: THORACIC CAVITY CLEAR FLUID, TGL 4-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 228

TRT#: 2

SEX: Female

DAY ON TEST: 606

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913678

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Lung
* Lymph Node, Mandibular	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Urinary Bladder

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Pancreas	* Stomach, Glandular

OBSERVATIONS

* Kidney	Bilateral	Mineralization	Focal, Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
		Necrosis	Mild
Note: TGL 4-NCL			
* Lung			
Note: TGL 3-NCL			
* Mammary Gland		Galactocele	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-13]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Sarcoma Stromal	
[Sarcoma Stromal TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

- Uterus Endometrium Sarcoma Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 229

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913679

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Brain	Cerebellum	Granular Cell Tumor Malignant	
	[Granular Cell Tumor Malignant TGLS = 1-1]		
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 3-8]		
* Lymph Node, Mandibular		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 2-12]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Thymus	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 230

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 724

HISTO: MA913680

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Mild
		Vacuolization Cytoplasmic	Focal, Marked
* Bone Marrow		Hyperplasia	Mild
* Heart	Atrium	Thrombosis	Marked
Note: TGL 6-NCL			
[Thrombosis TGLS = 5-4]			
* Kidney		Inflammation	Acute, Marked
[Inflammation TGLS = 2-7]			
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Focal, Mild
	Kupffer Cell	Hyperplasia	Diffuse, Moderate
* Lung		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 3-6]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
[Adenoma TGLS = 4-3]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular		Erosion	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 230

TRT#: 2

SEX: Female

DAY ON TEST: 724

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913680

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Thymocyte

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Kidney Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 231

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913681

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Ovary	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Histiocytic Sarcoma	
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Mild
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-8]			
* Lung		Histiocytic Sarcoma	Metastatic (Bone Marrow)
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
* Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
[Adenoma TGLS = 4-3]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Histiocytic Sarcoma	Metastatic (Bone Marrow)
[Hematopoietic Cell Proliferation TGLS = 2-8,12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 231

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913681

ORGAN AND ACCOUNTABLE SITE STATUS

[Histiocytic Sarcoma TGLS = 5,6-12]

* Thymus	Thymocyte	Atrophy	Marked
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
* Uterus		Hydrometra	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 232

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic, Mild
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-8,12]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Ovary			
Note: TGL 1-NCL			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen		Pigmentation	Mild
* Thymus	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Focal, Mild
* Uterus		Hydrometra	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 233

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913683

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose	* Ovary
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
	Bilateral, Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-15]			
* Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Renal	Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLS = 3-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-3]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 233

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913683

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Epithel Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 234

TRT#: 2

SEX: Female

DAY ON TEST: 606

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913684

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney	Bilateral	Mineralization	Focal, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
	Interstitialium	Inflammation	Chronic, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-12]		
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Mild
* Thymus	Epithel Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

Animal Note: CARCASS THIN, TGL 2-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 235

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913685

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart		Leukemia Mononuclear	
* Kidney	Bilateral, Renal Tubule	Pigmentation	Moderate
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
* Ovary		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Diffuse, Moderate
* Pituitary Gland		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-3]	
* Salivary Glands	Submandibul GI	Atrophy	Diffuse, Moderate
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-8]	
* Thymus	Thymocyte	Atrophy	Marked
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
* Uterus	Endometrium	Polyp Stromal	

Note: THE STROMAL POLYP IS COMPLETELY NECROTIC.

[Polyp Stromal TGLS = 1-9,9.1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 236

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913686

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Clitoral Gland [Adenoma TGLS = 3-9,9.1]		Adenoma	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver [Eosinophilic Focus TGLS = 4-14]		Basophilic Focus	
		Eosinophilic Focus	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland [Fibroadenoma TGLS = 1-12; 2-13]		Fibroadenoma	Multiple
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Marked
[Hyperplasia TGLS = 5-3]			
* Thymus	Thymocyte	Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 237

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913687

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland	Bilateral	Atrophy	Moderate
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Islets, Pancreatic		Metaplasia	Focal, Mild
* Kidney	Bilateral	Leukemia Mononuclear	
	Bilateral, Renal Tubule	Nephropathy	Chronic, Mild
		Pigmentation	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Mild
[Fibroadenoma TGLS = 1-12; 2-13]			
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-3]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 237

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913687

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 4-8]

[Leukemia Mononuclear TGLS = 3-8]

* Stomach, Glandular

Glands

Cyst

Focal, Minimal

* Thymus

Leukemia Mononuclear

* Uterus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

Animal Note: CARCASS THIN, TGL 5-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 238

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: MA913688

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-8]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-12; 2-13]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-3]			
* Thymus	Thymocyte	Atrophy	Marked
	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Hydrometra	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 239

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913689

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
* Lymph Node, Mandibular		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Degeneration	Cystic, Moderate
		Hyperplasia	Lymphoid, Marked
* Mammary Gland		Fibroadenoma	
		Galactocele	Mild
[Fibroadenoma TGLS = 1-12]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Minimal
[Cyst TGLS = 3-3]			
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus	Thymocyte	Atrophy	Mild
* Thyroid Gland	C Cell	Carcinoma	
	C Cell	Hyperplasia	Focal, Mild
[Carcinoma TGLS = 2-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 240

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: MA913690

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Mammary Gland	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-9]			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 5-2]			
* Kidney	Bilateral, Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fibrosis	Focal, Minimal
		Hepatodiaphragmatic Nodule	
[Eosinophilic Focus TGLS = 3-12]			
[Hepatodiaphragmatic Nodule TGLS = 2-12]			
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-3]			
* Spleen		Pigmentation	Minimal
* Stomach, Glandular	Glands	Cyst	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 240

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913690

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Hyperplasia

Lymphoid, Mild

* Thyroid Gland

C Cell

Hyperplasia

Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 241

TRT#: 2

SEX: Female

DAY ON TEST: 515

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone	Femur	Hyperostosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-3A]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-9]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
[Cyst TGLS = 5-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Stomach, Glandular		Erosion	Focal, Mild
[Erosion TGLS = 8-14A]			
* Thymus	Epithel Cell	Hyperplasia	Mild
		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 241

TRT#: 2

SEX: Female

DAY ON TEST: 515

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913691

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CARCASS THIN, TGL 6-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 242

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3,4-8]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	
		Fibroadenoma	
		Galactocele	Mild
[Carcinoma TGLS = 2-13]			
[Fibroadenoma TGLS = 1-12]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-3]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8]			
* Stomach, Glandular	Glands	Cyst	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 242

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913692

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Thymocyte	Atrophy	Minimal
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 243

TRT#: 2

SEX: Female

DAY ON TEST: 559

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913693

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Atrophy	Mild
* Brain			
Note: TGL 5-NCL			
* Clitoral Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 2-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
* Lung	Interstitial	Inflammation	Chronic, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-16]			
* Nose		Inflammation	Chronic, Minimal
* Ovary			
Note: TGL 3-NCL			
Peripheral Nerve	Sciatic	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
[Adenoma TGLS = 6-8]			
* Spleen		Pigmentation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 243

TRT#: 2

SEX: Female

DAY ON TEST: 559

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913693

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 244

TRT#: 2

SEX: Female

DAY ON TEST: 683

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913694

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Nose	* Ovary	* Parathyroid Gland
* Skin	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Carcinoma	
Note: TGL 9 INVOLVED THE ISLET PANCREAS, RATHER THAN PANCREATIC LYMPH NODE AS STATED ON THE INDIVIDUAL ANIMAL NECROPSY RECORD. [Carcinoma TGLS = 9-2]			
* Kidney	Bilateral, Pelvis Bilateral	Inflammation Nephropathy	Acute, Mild Chronic, Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-8]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 8-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma Galactocele	Moderate
Note: TGL 1 WAS REPRESENTED BY FIBROADENOMA AND GALACTOCELE, EACH UNILATERAL. [Fibroadenoma TGLS = 1-16] [Galactocele TGLS = 1-16]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 3-15, 5-14]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis Pars Distalis	Adenoma Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 244

TRT#: 2

SEX: Female

DAY ON TEST: 683

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913694

ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands	Parotid GI	Atrophy	Diffuse, Marked
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Stomach, Glandular		Erosion	Focal, Minimal
[Erosion TGLS = 10-4]			
* Thymus	Thymocyte	Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Focal, Mild
* Uterus	Endometrium	Inflammation	Acute, Marked
[Inflammation TGLS = 4-13]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 2-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 245

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913695

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic Active, Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Bilateral	Mineralization	Focal, Minimal
	Bilateral, Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 2-8]		
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-12]		
* Nose		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Pigmentation	Mild
* Thymus	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 246

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913696

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex	Bilateral	Necrosis	Mild
* Adrenal Medulla	Bilateral	Hyperplasia	Focal, Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain			
Note: THERE IS AN EXTENSIVE COMPRESSION INJURY OF THE HYPOTHALAMUS.			
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-9]			
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 4-12]			
* Kidney	Bilateral	Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Minimal
	Bilateral, Renal Tubule	Pigmentation	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-8]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-15, 3-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-3]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 246

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913696

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-8,13; 6-13, 7-13]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 247

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913697

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* 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
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Stomach, Forestomach	* Stomach, Glandular
------------------------	----------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
[Eosinophilic Focus TGLS = 5,6-8]			
[Mixed Cell Focus TGLS = 8,9-15]			
* Lung	Interstitial	Inflammation	Chronic, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
Note: THE INGUINAL MAMMARY FIBROADENOMA WAS BILATERAL AND REPRESENTED IN SLIDE 12.			
[Fibroadenoma TGLS = 1-12, 2-13]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-14]			
* Ovary	Bursa	Cyst	Mild
[Cyst TGLS = 3-9]			
* Pancreas	Acinus	Atrophy	Diffuse, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 247

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913697

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Cyst

Moderate

[Adenoma TGLS = 7-3]

* Spleen

Pigmentation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 248

TRT#: 2

SEX: Female

DAY ON TEST: 709

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913698

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Esophagus
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Jejunum
--------------------------	--------------------------	----------------------------

OBSERVATIONS

Blood Vessel	Aorta, Media	Mineralization	Moderate
* Bone	Femur	Fibrous Osteodystrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Marked
	Bilateral, Pelvis	Dilatation	Marked
	Bilateral	Nephropathy	Chronic, Minimal
[Dilatation TGLS = 4-7]			
* Liver	Hepatocyte	Mixed Cell Focus	
		Vacuolization Cytoplasmic	Marked
[Vacuolization Cytoplasmic TGLS = 5-8]			
* Lung		Carcinoma	Metastatic (Uterus)
[Carcinoma TGLS = 7-6, 9-13]			
Lymph Node	Mediastinal	Carcinoma	Metastatic (Uterus)
[Carcinoma TGLS = 6-12]			
* Lymph Node, Mesenteric		Carcinoma	Metastatic (Uterus)
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
Mesentery		Carcinoma	Metastatic (Uterus)
[Carcinoma TGLS = 3-16]			
* Pancreas	Acinus	Atrophy	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 248

TRT#: 2

SEX: Female

DAY ON TEST: 709

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913698

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Carcinoma TGLS = 8-3]	Pars Distalis	Carcinoma Carcinoma	Metastatic (Uterus)
* Spleen	Lymph Follic	Atrophy Hematopoietic Cell Proliferation	Mild Mild
* Thymus	Thymocyte	Atrophy	Marked
* Urinary Bladder		Carcinoma	Metastatic (Uterus)
* Uterus [Carcinoma TGLS = 2-15]		Carcinoma	

PRIMARY CAUSE OF DEATH

- Uterus Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 249

TRT#: 2

SEX: Female

DAY ON TEST: 404

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913699

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Mixed Cell Focus	
Note: TGL 3-NCL [Mixed Cell Focus TGLS = 4-6A]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Salivary Glands	Parotid GI	Atrophy	Diffuse, Moderate
* Skin			
Note: SKIN AND TISSUE NOS ORAL (TGL 1 AND 2) REPRESENT A SINGLE NEOPLASM OF THE TOOTH.			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus	Thymocyte	Atrophy	Mild
Tooth		Adamantinoma Malignant	
[Adamantinoma Malignant TGLS = 1-15, 2-16]			

PRIMARY CAUSE OF DEATH

- Tooth Adamantinoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 250

TRT#: 2

SEX: Female

DAY ON TEST: 439

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913700

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone	Femur	Hyperostosis	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Mineralization	Focal, Minimal
* Liver	Bilateral	Nephropathy	Chronic, Minimal
		Basophilic Focus	
		Mixed Cell Focus	
* Lung			
Note: TGL 1-NCL			
* Nose	Turbinates	Congestion	Moderate
* Pancreas	Acinus	Atrophy	Diffuse, Moderate
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Spleen	Lymph Follicles	Atrophy	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 251

TRT#: 2

SEX: Female

DAY ON TEST: 687

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913701

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex	Bilateral	Hyperplasia	Focal, Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone	Femur	Hyperostosis	Marked
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral, Renal Tubule	Pigmentation	Moderate
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8, 4-12]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Minimal
* Ovary		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Focal, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-3]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus	Thymocyte	Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 252

TRT#: 2

SEX: Female

DAY ON TEST: 648

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913702

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Bone	Femur	Hyperostosis	Marked
* Heart		Cardiomyopathy	Minimal
* Liver	Centrilobular	Necrosis	Mild
* Lymph Node, Mandibular		Hemorrhage	Mild
* Mammary Gland			
Note: TGL 1 ACTUALLY INVOLVED SKIN SUBCUTANEOUS TISSUE RATHER THAN MAMMARY GLAND AS STATED ON THE INDIVIDUAL ANIMAL NECROPSY RECORD.			
Note: FOR TISSUE SEE SLIDE 9.			
* Pituitary Gland	Pars Distalis	Angiectasis	Focal, Minimal
[Angiectasis TGLS = 2-3]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-12]			
* Spleen	Lymph Follic	Atrophy	Marked
* Thymus	Thymocyte	Atrophy	Marked

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 253

TRT#: 2

SEX: Female

DAY ON TEST: 605

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913703

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|------------------------|----------------------|-------------------|
| Blood Vessel | * Bone | * Clitoral Gland | * Esophagus |
| * Intestine Large, Rectum | * Islets, Pancreatic | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

- | | | | |
|--------------------------|-------------|--------------------------------------|------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| * Liver | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 2-8] | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 3-12] | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Ovary | | Leukemia Mononuclear | |
| * Pituitary Gland | | | |
| Note: TGL 4-NCL | | | |
| * Spleen | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 1-8] | |
| * Thymus | | Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 253

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 605

HISTO: MA913703

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 254

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 659

HISTO: MA913704

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|--------------------------|---------------------------|
| Blood Vessel | * Bone | * Brain | * Clitoral Gland |
| * Esophagus | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Islets, Pancreatic | * Mammary Gland |
| * Nose | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Trachea | * Urinary Bladder | | |

AUTO PRECLUDES DIAG.

- * Intestine Small, Jejunum

OBSERVATIONS

- | | | | |
|--------------------------------------|-------------|----------------------|----------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Hyperplasia | Focal, Minimal |
| | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| * Liver | | Eosinophilic Focus | |
| | | Leukemia Mononuclear | |
| | | Mixed Cell Focus | |
| | | | |
| [Mixed Cell Focus TGLS = 4-8,12] | | | |
| * Lung | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-6] | | | |
| Lymph Node | Iliac | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| | | | |
| [Leukemia Mononuclear TGLS = 5-13] | | | |
| [Leukemia Mononuclear TGLS = 2-14] | | | |
| [Leukemia Mononuclear TGLS = 3-15] | | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 8-2] | | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Ovary | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Phenolphthalein
CAS Number: 77-09-8

Date Report Requested: 10/21/2014
Time Report Requested: 22:45:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 254	TRT#: 2 DOSE: 0 PPM	SEX: Female DISP: Natural Death	DAY ON TEST: 659 HISTO: MA913704
-----------------------	--------------------------------------	--	---

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 7-3]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Erosion	Focal, Mild
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 255

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913705

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-8,12; 5-12]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1-13, 2-14]	Galactocele	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-3]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-8]		
* Thymus		Hemorrhage	Mild
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 256

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: MA913706

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
* Lymph Node, Mesenteric		Degeneration	Cystic, Moderate
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Mild
[Fibroadenoma TGLS = 1-13, 2-14, 3-15]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-12]			
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-3]			
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
* Uterus		Hydrometra	Mild
[Hydrometra TGLS = 5-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 257

TRT#: 2

SEX: Female

DAY ON TEST: 370

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913707

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Mineralization	Focal, Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-6A]			
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
Tongue		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 1-15]			

PRIMARY CAUSE OF DEATH - Tongue Squamous Cell Carcinoma

Animal Note: CARCASS THIN, TGL 2-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 258

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913708

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Clitoral Gland		Adenoma	
* Heart	Artery	Inflammation	Chronic, Mild
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Galactocele	Minimal
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-3]			
* Thymus	Thymocyte	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 259

TRT#: 2

SEX: Female

DAY ON TEST: 700

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913709

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain			
Note: THERE IS MODERATE COMPRESSION INJURY OF THE HYPOTHALAMUS.			
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral, Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Nephropathy	Chronic, Mild
	Bilateral, Renal Tubule	Pigmentation	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Mixed Cell Focus TGLS = 3-8,12]		
* Lymph Node, Mandibular		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Galactocele	Moderate
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-3]		
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic, Mild
	[Inflammation TGLS = 2-4]		
* Thymus	Thymocyte	Atrophy	Marked
	Epithel Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 259

TRT#: 2

SEX: Female

DAY ON TEST: 700

DOSE: 0 PPM

DISP: Natural Death

HISTO: MA913709

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

C Cell

Hyperplasia

Focal, Marked

* Uterus

Endometrium

Polyp Stromal

[Polyp Stromal TGLS = 1-9,9.1]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 260

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913710

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex	Bilateral	Necrosis	Minimal
* Bone	Femur	Hyperostosis	Moderate
* Bone Marrow		Hyperplasia	Minimal
* Clitoral Gland		Adenoma	
		Inflammation	Chronic Active, Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Minimal
[Fibroadenoma TGLS = 1-12, 2-13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-3]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 261

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913711

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Bone Marrow		Hyperplasia	Minimal
		Myelofibrosis	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Angiectasis	Focal, Mild
		Inflammation	Chronic, Minimal
Note: TGL 3-NCL			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Galactocele	Mild
[Fibroadenoma TGLS = 1-12]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-13]			
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Marked
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Focal, Moderate
* Uterus	Endometrium	Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 262

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913712

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 1-9]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
Note: TGL 2-NCL			
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Galactocele	Mild
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-3]			
* Skin	Pinna	Squamous Cell Papilloma	
Note: THE NEOPLASM HAS FEATURES OF A BASOSQUAMOUS NEOPLASM.			
[Squamous Cell Papilloma TGLS = 3-12]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus	Epithel Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 262

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913712

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 263

TRT#: 2

SEX: Female

DAY ON TEST: 594

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913713

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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
* Lung	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Brain			
Note: THERE IS EXTENSIVE COMPRESSION INJURY OF THE HYPOTHALAMUS.			
Eye			
Note: TGL 1-NCL			
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Mixed Cell Focus TGLS = 5-8]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Adenoma	
		Carcinoma	
		Galactocele	Marked
[Adenoma TGLS = 3-14]			
[Carcinoma TGLS = 2-13]			
[Galactocele TGLS = 4-15]			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 263

TRT#: 2

SEX: Female

DAY ON TEST: 594

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: MA913713

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-3]

* Skin

Note: THE MASS (TGL 2) ACTUALLY INVOLVED THE MAMMARY GLAND RATHER THAN THE NECK AS STATED ON THE INDIVIDUAL ANIMAL NECROPSY RECORD.

* Spleen

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

* Stomach, Forestomach

Epithelium

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

Animal Note: CARCASS THIN, TGL 7-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 264

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913714

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Focal, Mild
		Pheochromocytoma Benign	
* Bone	Femur	Hyperostosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Mild
	Bilateral, Renal Tubule	Pigmentation	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4,5-8]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-12]	Galactocele	Mild
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 2-13]		
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 7-3]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 264

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913714

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

Epithelium

Hyperplasia

Mild

* Thymus

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Focal, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CARCASS THIN, TGL 6-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 265

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: MA913715

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Heart		Leukemia Mononuclear	
* Kidney	Bilateral	Cardiomyopathy	Mild
* Liver		Nephropathy	Chronic, Minimal
		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 5-16; 7-12; 8-16]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	
		Fibroadenoma	
[Fibroadenoma TGLS = 1-13; 2-14]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-15]			
* Parathyroid Gland		Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-3]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 266

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913816

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
		Vacuolization Cytoplasmic	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 4-8,8.1]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-12]		
* Ovary	Periovarn Tiss	Cyst	Mild
	[Cyst TGLS = 2-9]		
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-3]		
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
* Uterus		Hydrometra	Mild
	Endometrium	Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 267

TRT#: 4

SEX: Female

DAY ON TEST: 679

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913817

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla	Bilateral	Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Edema	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
	Bilateral, Renal Tubule	Pigmentation	Minimal
* Liver		Hepatocellular Carcinoma	
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-15]	
Lymph Node	Mediastinal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-14]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Mild
Mesentery	Fat	Necrosis	Moderate
		[Necrosis TGLS = 2-12; 7-13]	
* Nose		Inflammation	Chronic, Mild
* Ovary	Bursa	Cyst	Moderate
		Leukemia Mononuclear	
		[Cyst TGLS = 1-9]	
		[Leukemia Mononuclear TGLS = 1-9]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 267

TRT#: 4

SEX: Female

DAY ON TEST: 679

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913817

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	Mild
[Cyst TGLS = 6-3]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			
* Thymus	Epithel Cell	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 268

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913818

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Trachea	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Leukemia Mononuclear Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Clitoral Gland		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Leukemia Mononuclear Nephropathy	Chronic, Minimal
* Liver	Bilateral	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
* Nose		Inflammation	Chronic Active, Mild
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 268

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913818

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis

Cyst

Mild

Leukemia Mononuclear

[Adenoma TGLS = 6-3]

* Salivary Glands

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-8]

* Stomach, Glandular

Leukemia Mononuclear

* Thymus

Epithel Cell

Hyperplasia

Mild

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Focal, Minimal

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 269

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913819

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8,8.1]		
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-12]		
* Nose	Nasolacrim Dct	Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-3,3.1]		
* Spleen		Leukemia Mononuclear	
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	Follicle	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 270

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913820

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Bilateral	Hyperplasia Vacuolization Cytoplasmic	Focal, Mild Focal, Mild
* Adrenal Medulla	Bilateral	Hyperplasia	Focal, Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Hyperplasia	Focal, Moderate
* Kidney [Nephropathy TGLS = 3-7]	Bilateral	Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland Note: THE MASS (TGL 1) ACTUALLY INVOLVES THE SKIN RATHER THAN MAMMARY GLAND AS STATED ON THE INDIVIDUAL ANIMAL NECROPSY RECORD.			
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland [Adenoma TGLS = 4-3]	Pars Distalis	Adenoma	
* Skin [Fibroma TGLS = 1-12]	Subcut Tiss	Fibroma	
* Spleen [Leukemia Mononuclear TGLS = 2-8]		Leukemia Mononuclear	
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus	Thymocyte Epithel Cell	Atrophy Hyperplasia	Mild Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 270

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913820

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

Follicle

Cyst

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 271

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913821

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
	Interstitium	Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Galactocele	Marked
[Galactocele TGLS = 1-13]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-3]			
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Focal, Mild
Tongue	Capillary	Erosion	Focal, Mild
[Erosion TGLS = 2-12,12.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 272

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913822

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-9]			
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
* Lung	Interstitial	Inflammation	Chronic, Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-13]			
* Nose		Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
[Adenoma TGLS = 4-3]			
* Spleen		Pigmentation	Minimal
* Thymus	Thymocyte	Atrophy	Moderate
	Epithel Cell	Hyperplasia	Minimal
Tongue			
Note: TGL 3-NCL			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 272

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913822

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 273

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913823

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland		Adenoma	
* Kidney		Fibrosis	Focal, Moderate
	Pelvis	Inflammation	Acute, Minimal
	Bilateral	Nephropathy	Chronic, Mild
[Fibrosis TGLS = 3-7,12,12.1]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
* Lung			
Note: TGL 4-NCL			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Galactocele	Minimal
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
* Ovary	Bursa	Cyst	Marked
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-3]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus	Epithel Cell	Hyperplasia	Mild
* Uterus	Endometrium	Polyp Stromal	
Note: TGL 1-NCL			
[Polyp Stromal TGLS = 2-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 273

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913823

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 274

TRT#: 4

SEX: Female

DAY ON TEST: 717

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913824

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Necrosis	Marked
	Bilateral		
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-8]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-12]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Chronic Active, Moderate
Oral Mucosa		Squamous Cell Papilloma	
	Note: ORAL MUCOSA (TGL 6) INVOLVES THE PALATE.		
	[Squamous Cell Papilloma TGLS = 6-10]		
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	[Cyst TGLS = 4-3]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 274

TRT#: 4

SEX: Female

DAY ON TEST: 717

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913824

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Thymocyte

Atrophy

Moderate

* Thyroid Gland

C Cell

Hyperplasia

Focal, Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 275

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913825

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Adenoma	
		Hyperplasia	Focal, Mild
[Adenoma TGLS = 1-9]			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 2-8]			
* Lymph Node, Mandibular		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 276

TRT#: 4

SEX: Female

DAY ON TEST: 628

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913826

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Pancreas	* Parathyroid Gland	* Skin	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland	Bilateral	Atrophy	Mild
* Kidney	Bilateral	Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-8,14; 6-14]	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-13]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Galactocele	Mild
		[Galactocele TGLS = 1-5,15]	
Mesentery	Fat	Necrosis	Mild
		[Necrosis TGLS = 2-12]	
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
* Ovary	Bursa	Cyst	Moderate
		[Cyst TGLS = 3-9]	
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 7-3]	
* Salivary Glands		Atrophy	Diffuse, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 276

TRT#: 4

SEX: Female

DAY ON TEST: 628

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913826

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 4-8]		Leukemia Mononuclear	
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation	Mild Chronic, Mild
* Stomach, Glandular	Glands	Cyst Erosion	Focal, Minimal Focal, Mild
* Thymus	Thymocyte	Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 277

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913827

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 2-3,3.1]			
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
[Mixed Cell Focus TGLS = 3-8]		Mixed Cell Focus	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
* Nose		Inflammation	Chronic, Mild
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Thymus		Cyst	Minimal
	Epithel Cell	Hyperplasia	Mild
Tongue		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 4-12]			
* Uterus		Hydrometra	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 278

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913828

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone		Inflammation	Acute, Minimal
* Bone Marrow		Hyperplasia	Mild
Eye		Atrophy	Marked
[Atrophy TGLS = 1-13]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Angiectasis	Focal, Mild
		Basophilic Focus	
		Cytoplasmic Alteration	Focal, Moderate
		Leukemia Mononuclear	
		Mixed Cell Focus	

Note: THE CYTOPLASMIC ALTERATION REPRESENTS AN AREA OF TENSION LIPOIDOSIS AND CORRESPONDS TO ONE OF THE FOCI OF THE MEDIAN LOBE.

[Angiectasis TGLS = 5-8,17]

[Basophilic Focus TGLS = 7-8]

[Mixed Cell Focus TGLS = 6-8,15]

* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Focal, Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Moderate
		Leukemia Mononuclear	
[Degeneration TGLS = 3-2]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-16]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 278

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913828

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa		Ulcer	Moderate
Note: THE ULCER OF THE ORAL MUCOSA INVOLVES THE PALATE.			
* Ovary	Follicle	Cyst	Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Salivary Glands		Infiltration Cellular	Lymphocyte, Focal, Minimal
* Spleen		Leukemia Mononuclear	
* Thymus	Thymocyte	Atrophy	Marked
	Epithel Cell	Hyperplasia	Minimal
* Uterus		Hydrometra	Marked
[Hydrometra TGLS = 4-9]			
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 8-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 279

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913829

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	Peritoneum	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Clitoral Gland		Hyperplasia	Focal, Mild
	Duct	Inflammation	Acute, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Ovary		Granulosa-Theca Tumor Benign	
[Granulosa-Theca Tumor Benign TGLS = 1-9]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 279

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913829

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 280

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913830

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland Note: TGL 2-NCL			
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Eosinophilic Focus Mixed Cell Focus	
* Lymph Node, Mandibular		Pigmentation	Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland [Fibroadenoma TGLS = 1-12]		Fibroadenoma	
* Nose		Inflammation	Acute, Minimal
* Pituitary Gland [Adenoma TGLS = 3-3]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Minimal
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus	Epithel Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 281

TRT#: 4

SEX: Female

DAY ON TEST: 674

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913831

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone	Femur	Hyperostosis	Marked
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Kidney	Bilateral	Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-8]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-6]			
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-2]			
[Leukemia Mononuclear TGLS = 9-3]			
[Leukemia Mononuclear TGLS = 12-12]			
[Leukemia Mononuclear TGLS = 6-13]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 281

TRT#: 4

SEX: Female

DAY ON TEST: 674

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913831

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 1-2,2.1]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 2-5]		Leukemia Mononuclear	
* Mammary Gland	Epithelium	Hyperplasia	Mild
* Pituitary Gland [Leukemia Mononuclear TGLS = 13-3]		Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 5-8]		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland [Carcinoma TGLS = 10-2,2.1]	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: THORACIC CAVITY BROWN FLUID, TGL 8-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 282

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913832

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
		Vacuolization Cytoplasmic	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 4-8]			
* Lung	Interstitial	Inflammation	Chronic, Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-12]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-3]			
* Thymus	Epithel Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 2-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 282

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913832

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 283

TRT#: 4

SEX: Female

DAY ON TEST: 679

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913833

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	Peripheral Nerve	* Salivary Glands	Skeletal Muscle
* Skin	Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Bone Marrow		Hyperplasia	Mild
* Brain		Hydrocephalus	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 2-12]	
* Ovary		Cystadenoma	
Perph Nerve			
		Note: SCIATIC NERVE IS NORMAL.	
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 3-3]	
* Spleen		Pigmentation	Mild
* Thymus	Thymocyte	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 284

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913834

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Minimal
	Bilateral, Renal Tubule	Pigmentation	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9,10-8]		
* Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 12-3]		
	[Leukemia Mononuclear TGLS = 7-13]		
	[Leukemia Mononuclear TGLS = 8-14]		
	[Leukemia Mononuclear TGLS = 11-15]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-2,2.1]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 284

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913834

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-5]			
* Mammary Gland		Fibroadenoma Inflammation	Chronic, Mild
[Fibroadenoma TGLS = 1-12]			
* Ovary	Follicle	Cyst Leukemia Mononuclear	Mild
[Cyst TGLS = 3-9]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis Pars Distalis	Adenoma Cyst	Mild
[Adenoma TGLS = 13-3]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5,6-8]			
* Thymus	Thymocyte Epithel Cell	Atrophy Hyperplasia	Marked Minimal
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 285

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913835

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
		Inflammation	Chronic, Mild
[Adenoma TGLS = 1-9]			
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral, Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-8]			
* Lung	Interstitial	Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Atrophy	Focal, Moderate
* Pituitary Gland	Pars Distalis	Cyst	Minimal
[Cyst TGLS = 3-3]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus	Thymocyte	Atrophy	Moderate
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Cyst	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 285

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913835

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 286

TRT#: 4

SEX: Female

DAY ON TEST: 571

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913836

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	Peripheral Nerve	* Salivary Glands
Skeletal Muscle	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-1]			
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Minimal
	Bilateral, Renal Tubule	Pigmentation	Moderate
* Liver		Leukemia Mononuclear	
Note: TGL 7-NCL			
[Leukemia Mononuclear TGLS = 6-8]			
* Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-13]			
[Leukemia Mononuclear TGLS = 4-14]			
[Leukemia Mononuclear TGLS = 2-15]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 286

TRT#: 4

SEX: Female

DAY ON TEST: 571

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913836

ORGAN AND ACCOUNTABLE SITE STATUS

Perph Nerve

Note: SCIATIC NERVE IS NORMAL.

* Pituitary Gland

Pars Distalis

Adenoma

Spinal Cord

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 9,10-12]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-8]

* Stomach, Glandular

Glands

Cyst

Focal, Minimal

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 287

TRT#: 4

SEX: Female

DAY ON TEST: 675

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913837

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Minimal
* Brain	Pons	Hemorrhage	Focal, Mild
* Kidney	Bilateral	Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Mild
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Mixed Cell Focus TGLS = 2-12, 3-8,12]		
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Galactocele	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-3]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Thymus	Thymocyte	Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Focal, Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 287

TRT#: 4

SEX: Female

DAY ON TEST: 675

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913837

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 288

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913838

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 1-8,12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-3]			
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus	Thymocyte	Atrophy	Marked
	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 289

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913839

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lung	* Lymph Node, Mandibular
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
	Bilateral, Renal Tubule	Pigmentation	Minimal
* Liver		Angiectasis	Focal, Mild
		Basophilic Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-8]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Focal, Moderate
[Angiectasis TGLS = 3-3]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 290

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913840

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
		Hyperplasia	Lymphoid, Minimal
* Ovary		Granulosa Cell Tumor Benign	
	[Granulosa Cell Tumor Benign TGLS = 1-9,9.1]		
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-3]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
* Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 291

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913841

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Clitoral GI			
Note: TGL 1-NCL			
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Nose		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-3]			
* Spleen		Pigmentation	Minimal
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 292

TRT#: 4

SEX: Female

DAY ON TEST: 435

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913842

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	Vagina	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Bone Marrow		Hyperplasia	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-16]			
* Ovary	Bursa	Cyst	Marked
[Cyst TGLS = 2-7A]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Skin			
Note: TGL 1 REPRESENTS A FIBROADENOMA OF THE MAMMARY GLAND RATHER THAN MASS OF THE SKIN AS STATED ON THE INDIVIDUAL ANIMAL NECROPSY RECORD.			
* Thymus	Thymocyte	Atrophy	Mild
* Uterus		Necrosis	Moderate
	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 3-15]			
Vagina			
Note: TGL 3 REPRESENTS A STROMAL POLYP PROLAPSE OF THE UTERUS RATHER THAN MASS OF THE VAGINA AS STATED ON THE INDIVIDUAL ANIMAL NECROPSY RECORD.			

PRIMARY CAUSE OF DEATH

- Uterus Endometrium Polyp Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 293

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913843

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Nose	* Pituitary Gland		
--------	-------------------	--	--

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Atrophy	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
	Bilateral, Renal Tubule	Pigmentation	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Lung	Interstitial	Inflammation	Chronic, Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gl			
Note: TGL 1-NST			
* Thyroid Gland	C Cell	Hyperplasia	Focal, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 294

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913844

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Ovary	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-9]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	Marked
		Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Mild
[Cyst TGLS = 3-7]			
[Nephropathy TGLS = 4-7]			
* Liver		Basophilic Focus	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
[Adenoma TGLS = 6-3]			
* Spleen		Pigmentation	Minimal
* Thymus	Epithel Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 294

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913844

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland
[Carcinoma TGLS = 5-2,2.1]

C Cell

Carcinoma

* Trachea

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 295

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913845

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		[Eosinophilic Focus TGLS = 2-8]	
		[Hepatodiaphragmatic Nodule TGLS = 3-8]	
* Lung	Interstitial	Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Galactocele	Minimal
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
* Uterus	Endometrium	Polyp Stromal	

[Polyp Stromal TGLS = 1-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 296

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913846

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla	Bilateral	Hyperplasia	Focal, Moderate
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Metaplasia	Focal, Mild
* Kidney	Bilateral	Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung		Alveolar/Bronchiolar Adenoma	
		Leukemia Mononuclear	
		[Alveolar/Bronchiolar Adenoma TGLS = 5-6,6.1]	
Lymph Node	Mediastinal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-3]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Galactocele	Mild
		[Fibroadenoma TGLS = 1-12]	
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 6-3]	
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 296

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913846

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2,3-8]

* Thymus

Thymocyte

Atrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 297

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913847

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral Bilateral, Renal Tubule	Nephropathy Pigmentation	Chronic, Minimal Mild
* Liver		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Focal, Mild
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Minimal
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-3]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1,2,3,4-8]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 298

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913848

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis Bilateral	Inflammation	Acute, Minimal
* Liver		Nephropathy	Chronic, Minimal
		Basophilic Focus	
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Focal, Marked
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 1-12]	
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
* Pancreas	Acinus	Atrophy	Focal, Moderate
* Pituitary Gland	Pars Distalis Pars Distalis	Adenoma	
		Hyperplasia	Focal, Mild
		[Adenoma TGLS = 4-3]	
Skeletal Muscle		Sarcoma	
		[Sarcoma TGLS = 2-13]	
* Skin			
		Note: SEE SECTION 12 FOR SAMPLE.	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-8]	
* Thymus	Epithel Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 298

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913848

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 299

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913849

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Focal, Moderate
* Uterus		Inflammation	Chronic Active, Moderate
	Endometrium	Polyp Stromal	

Note: THE STROMAL POLYP (TGL 2) IS COMPLETELY NECROTIC.

[Polyp Stromal TGLS = 2-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 300

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913850

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-14]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-13]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Thymus	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Focal, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 301

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913851

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Myelofibrosis	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Inflammation	Chronic, Minimal
* Kidney	Bilateral	Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-8]			
* Lymph Node, Mandibular		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Minimal
* Uterus		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 302

TRT#: 4

SEX: Female

DAY ON TEST: 705

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913852

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Brain	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone	Femur	Hyperostosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-9]			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Edema	Mild
* Kidney		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Mild
	Bilateral, Renal Tubule	Pigmentation	Moderate
* Liver		Hepatocellular Adenoma	Multiple
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9,10,11-8]			
Lymph Node	Iliac	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-15]			
[Leukemia Mononuclear TGLS = 12-14]			
[Leukemia Mononuclear TGLS = 8-13]			
[Leukemia Mononuclear TGLS = 13-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 302

TRT#: 4

SEX: Female

DAY ON TEST: 705

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913852

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Inflammation	Chronic, Mild
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Mild
[Necrosis TGLS = 3-12]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
* Ovary		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Rathkes Cleft	Cyst	Moderate
[Cyst TGLS = 14-3]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8,15; 6,7-15]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland		Ultimobranchial Cyst	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 303

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913853

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hyperplasia	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Brain	Cerebrum, Thalamus	Necrosis	Moderate
* Clitoral Gland		Cyst	Moderate
		Inflammation	Chronic, Minimal
[Cyst TGLS = 1-9]			
* Heart		Leukemia Mononuclear	
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Angiectasis	Focal, Mild
		Basophilic Focus	
		Eosinophilic Focus	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-12]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Spleen		Leukemia Mononuclear	
* Stomach, Glandular		Erosion	Focal, Minimal
* Thymus	Thymocyte	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 303

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913853

ORGAN AND ACCOUNTABLE SITE STATUS

Epithel Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 304

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913854

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Nose	* Ovary	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-9]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 3-8]			
[Mixed Cell Focus TGLS = 4-8]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Parathyroid Gland		Hyperplasia	Focal, Moderate
* Pituitary Gland	Pars Distalis	Cyst	Mild
[Cyst TGLS = 5-3]			
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
* Uterus		Hydrometra	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 305

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913855

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Nose
* Ovary	* Parathyroid Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Clitoral Gland		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 1-9.1]			
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Galactocele	Mild
[Fibroadenoma TGLS = 2-12]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-3]			
* Salivary Glands	Parotid GI	Atrophy	Focal, Mild
* Thymus	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
* Trachea		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 306

TRT#: 4

SEX: Female

DAY ON TEST: 718

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913856

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Esophagus	* Heart
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Intestine Large, Rectum	* Thymus
---------------------------	----------

OBSERVATIONS

* Adrenal Cortex	Bilateral	Necrosis Vacuolization Cytoplasmic	Mild Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain	Cerebellum	Hemorrhage	Focal, Minimal
	Cerebrum	Hemorrhage	Focal, Minimal
* Clitoral Gland	Bilateral	Atrophy	Mild
* Intestine Large, Cecum		Edema	Mild
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
	Bilateral, Renal Tubule	Pigmentation	Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
Lymph Node	Iliac	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
[Leukemia Mononuclear TGLS = 6-13]			
[Leukemia Mononuclear TGLS = 7-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 306

TRT#: 4

SEX: Female

DAY ON TEST: 718

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913856

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Galactocele	Mild
* Nose	Nasolacrim Dct	Inflammation	Acute, Mild
* Ovary	Bilateral	Pigmentation	Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
* Uterus	Endometrium	Polyp Stromal	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, YELLOW, TGL 2-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 307

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913857

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Ovary	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Clitoral Gland		Hyperplasia	Focal, Marked
* Kidney		Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
		[Mixed Cell Focus TGLS = 1-8]	
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Marked
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Galactoceles	Minimal
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Diffuse, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 3-3]	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Carcinoma	
		[Carcinoma TGLS = 2-2]	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 307

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913857

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 308

TRT#: 4

SEX: Female

DAY ON TEST: 673

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913858

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Parathyroid Gland	* Skin	* Thyroid Gland	* Trachea
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla	Bilateral	Hyperplasia	Focal, Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Clitoral Gland		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-5]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12]		Galactocele	Moderate
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3]			
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 308

TRT#: 4

SEX: Female

DAY ON TEST: 673

DOSE: 12000 PPM

DISP: Moribund Sacrifice

HISTO: MA913858

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

[Leukemia Mononuclear TGLS = 5-3]

Leukemia Mononuclear

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 309

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913859

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Lymphocyte, Focal, Mild
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Galactocele	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-3]			
* Thymus	Epithel Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 310

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913860

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe Bilateral	Hyperplasia Nephropathy	Minimal Chronic, Minimal
* Liver		Basophilic Focus Eosinophilic Focus Inflammation Mixed Cell Focus	Chronic, Minimal
[Mixed Cell Focus TGLS = 3-8]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-3]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-13]			
* Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 311

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913861

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Mild
		Infiltration Cellular	Lymphocyte, Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Infiltration Cellular	Lymphocyte, Focal, Minimal
* Lymph Node, Mesenteric		Degeneration	Cystic, Mild
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Minimal
* Trachea		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 312

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913862

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Mixed Cell Focus	
		[Hepatocellular Adenoma TGLS = 2-8,8.1]	
		[Mixed Cell Focus TGLS = 3-8]	
* Lung		Hemorrhage	Minimal
		[Hemorrhage TGLS = 4-6,6.1]	
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Oral Mucosa		Squamous Cell Papilloma	
		Note: THE LESION (TGL 6) ACTUALLY INVOLVED THE HARD PALATE OF THE ORAL MUCOSA RATHER THAN BONE AS STATED ON THE INDIVIDUAL ANIMAL NECROPSY RECORD.	
		[Squamous Cell Papilloma TGLS = 6-10,12]	
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
		[Cyst TGLS = 5-3.1]	
* Spleen		Pigmentation	Minimal
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Mild
* Uterus	Endometrium	Polyp Stromal	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 312

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913862

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 1-9,13]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 313

TRT#: 4

SEX: Female

DAY ON TEST: 549

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913863

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Esophagus	* Nose
* Parathyroid Gland	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Uterus		

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Chronic, Mild
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 7-6A]		
	[Leukemia Mononuclear TGLS = 6-6; 12-6B]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-3,3A]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-3B]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-9]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Marked
	[Galactocele TGLS = 2-10A]		
Mesentery	Fat	Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 313

TRT#: 4

SEX: Female

DAY ON TEST: 549

DOSE: 12000 PPM

DISP: Natural Death

HISTO: MA913863

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 3-15; 4-15A]

* Ovary Leukemia Mononuclear

* Pituitary Gland Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 10-8.1]

* Salivary Glands Leukemia Mononuclear

* Spleen Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 5-3]

* Stomach, Forestomach Epithelium Hyperplasia Moderate

Leukemia Mononuclear

[Hyperplasia TGLS = 11-14,14A]

* Thymus Leukemia Mononuclear

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 314

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913864

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* 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
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex	Bilateral	Hematopoietic Cell Proliferation	Minimal
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Clitoral Gland		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung		Alveolar/Bronchiolar Adenoma	
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 1-12]	
* Ovary		Granulosa Cell Tumor Benign	
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
		[Adenoma TGLS = 3-3]	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-8]	
* Thymus	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 314

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913864

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 315

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 12000 PPM

DISP: Terminal Sacrifice

HISTO: MA913865

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland			
Note: TGL 1-NCL			
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	Mild
	Bilateral	Nephropathy	Chronic, Mild
* Liver		Angiectasis	Focal, Mild
		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
[Angiectasis TGLS = 4-8,14]			
[Mixed Cell Focus TGLS = 3-8,14]			
* Lung	Alveolar Epith	Hyperplasia	Focal, Moderate
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-3]			
* Thymus	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 316

TRT#: 6

DOSE: 25000 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: MA913766

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* 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	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Angiectasis	Focal, Mild
		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
[Angiectasis TGLS = 3-14,14.1]			
[Hepatodiaphragmatic Nodule TGLS = 1-12]			
[Mixed Cell Focus TGLS = 2-8,14]			
* Lung		Hemorrhage	Mild
	Interstitialium	Inflammation	Chronic, Minimal
[Hemorrhage TGLS = 5-6]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-3]			
* Thymus	Thymocyte	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 316

TRT#: 6

DOSE: 25000 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: MA913766

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Epithel Cell
C Cell

Hyperplasia
Adenoma

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 317

TRT#: 6

SEX: Female

DAY ON TEST: 601

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913767

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Brain	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone	Femur	Hyperostosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Chronic, Mild
* Heart	Myocardium	Inflammation	Acute, Focal, Minimal
* Intestine Large, Cecum		Leukemia Mononuclear	
* Kidney		Inflammation	Acute, Mild
	Bilateral, Renal Tubule	Leukemia Mononuclear	
* Liver		Pigmentation	Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-8]	
* Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Hemorrhage	Moderate
	Iliac	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-15]	
		[Leukemia Mononuclear TGLS = 10-13]	
		[Leukemia Mononuclear TGLS = 9-12]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Marked
		[Galactocele TGLS = 2-16]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 317

TRT#: 6

SEX: Female

DAY ON TEST: 601

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913767

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Necrosis TGLS = 4-14]	Fat	Necrosis	Moderate
* Ovary [Cyst TGLS = 3-9]	Bursa	Cyst	Marked
* Pituitary Gland [Leukemia Mononuclear TGLS = 11-3]		Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 5-8]		Leukemia Mononuclear	
* Stomach, Glandular * Thymus	Glands	Cyst Leukemia Mononuclear	Focal, Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: THORACIC CAVITY CLEAR FLUID, TGL 7-NST

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 318

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913768

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Chronic, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus	Thymocyte	Atrophy	Moderate
	Epithel Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 319

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913769

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland	Bilateral	Hyperplasia	Focal, Moderate
		Inflammation	Chronic, Mild
		[Hyperplasia TGLS = 1,2-9]	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Int Sm Duoden			
Note: TGL 5-NCL			
* Kidney		Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Minimal
	Bilateral, Renal Tubule	Pigmentation	Mild
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-12]	
		[Leukemia Mononuclear TGLS = 7-13]	
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 319

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913769

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-2]

* Lymph Node, Mesenteric

Infiltration Cellular

Histiocyte, Mild

Leukemia Mononuclear

* Mammary Gland

Fibroadenoma

Galactocele

Mild

[Fibroadenoma TGLS = 4-14]

* Ovary

Leukemia Mononuclear

* Pancreas

Acinus

Atrophy

Focal, Moderate

* Pituitary Gland

Pars Distalis

Cyst

Mild

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

* Stomach, Forestomach

Epithelium

Hyperplasia

Minimal

* Thymus

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Focal, Minimal

* Urinary Bladder

Inflammation

Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 320

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913770

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Bilateral	Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 2-8,12]		
* Lung		Hemorrhage	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-13]		
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus	Thymocyte	Atrophy	Moderate
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 321

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913771

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
		Vacuolization Cytoplasmic	Focal, Mild
* Kidney	Bilateral	Mineralization	Focal, Minimal
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
		[Hepatodiaphragmatic Nodule TGLS = 3-12]	
		[Mixed Cell Focus TGLS = 4-8]	
* Lung		Hemorrhage	Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 1-14]	
Mesentery	Fat	Necrosis	Moderate
		[Necrosis TGLS = 2-13]	
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
		[Adenoma TGLS = 5-3]	
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 321

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913771

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 322

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913772

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-9]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lung		Alveolar/Bronchiolar Adenoma	
* Mammary Gland		Galactocele	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-12]			
* Nose		Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-3]			
* Thymus	Thymocyte	Atrophy	Moderate
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 323

TRT#: 6

DOSE: 25000 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: MA913773

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Clitoral Gland	Bilateral	Adenoma	
[Adenoma TGLS = 2-9]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-8,13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
[Adenoma TGLS = 4-3]			
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Mild
* Uterus		Hydrometra	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 324

TRT#: 6

SEX: Female

DAY ON TEST: 608

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913774

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-1]	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Bilateral	Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Mild
	Bilateral, Renal Tubule	Pigmentation	Mild
* Liver		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-8]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-2,2.1]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 324

TRT#: 6

SEX: Female

DAY ON TEST: 608

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913774

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-8]

* Stomach, Forestomach

Epithelium

Hyperplasia

Mild

Inflammation

Chronic, Mild

* Stomach, Glandular

Glands

Cyst

Focal, Minimal

* Thymus

Epithel Cell

Hyperplasia

Minimal

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Focal, Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 4-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 325

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913775

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Atrophy	Minimal
Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
	Cornea	Inflammation	Chronic, Minimal
Note: TGL 2-NCL [Inflammation TGLS = 1-12]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
	Bilateral, Renal Tubule	Pigmentation	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-8]			
* Lung	Interstitial	Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-3]			
* Spleen		Pigmentation	Mild
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 326

TRT#: 6

SEX: Female

DAY ON TEST: 717

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913776

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone Marrow	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Ovary	* Parathyroid Gland	Peripheral Nerve	* Salivary Glands
Skeletal Muscle	* Skin	Spinal Cord	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone	Femur	Hyperostosis	Mild
* Brain		Hydrocephalus	Minimal
Note: THERE IS EXTENSIVE COMPRESSION INJURY OF THE HYPOTHALAMUS.			
* Kidney	Bilateral	Mineralization	Focal, Minimal
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose	Nasolacrim Dct	Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
Perph Nerve			
Note: SCIATIC NERVE IS NORMAL.			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-3]			
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Ulcer	Focal, Mild
* Thymus	Thymocyte	Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 326

TRT#: 6

SEX: Female

DAY ON TEST: 717

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913776

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 327

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913777

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Clitoral Gland		Inflammation	Chronic, Minimal
Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
Note: CORNEA, NORMAL. TGL 1 INVOLVED THE LENS RATHER THAN THE CORNEA AS STATED ON THE INDIVIDUAL ANIMAL NECROPSY RECORD.			
[Cataract TGLS = 1-12]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-8]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-13]			
* Ovary	Bursa	Cyst	Moderate
[Cyst TGLS = 3-9]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-3]			
* Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 328

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913778

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 2-3]	
* Uterus		Hydrometra	Moderate
		[Hydrometra TGLS = 1-9]	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 329

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913779

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-1]			
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Minimal
[Leukemia Mononuclear TGLS = 6-7]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-8]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-12, 2-13]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
* Ovary		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 329

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913779

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy Leukemia Mononuclear	Focal, Mild
* Pituitary Gland	Pars Distalis	Cyst Leukemia Mononuclear	Mild
[Cyst TGLS = 9-3]			
* Salivary Glands	Parotid GI	Atrophy	Focal, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8,15; 5-15]			
* Stomach, Forestomach		Ulcer	Focal, Moderate
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 330

TRT#: 6

SEX: Female

DAY ON TEST: 647

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913780

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Mammary Gland
* Nose	* Ovary	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Brain		Hydrocephalus	Mild
Note: THERE IS EXTENSIVE COMPRESSION INJURY OF THE HYPOTHALAMUS.			
* Kidney	Bilateral	Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Mild
* Liver		Eosinophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-8]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Mammary GI			
Note: TGL 2-NCL			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-3]			
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 330

TRT#: 6

SEX: Female

DAY ON TEST: 647

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913780

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 331

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913781

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lung	Interstitial	Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Degeneration	Cystic, Mild
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen		Pigmentation	Minimal
* Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 332

TRT#: 6

SEX: Female

DAY ON TEST: 503

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913782

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	Skeletal Muscle	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Clitoral Gland

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Intestine Small, Ileum		Necrosis	Marked
[Necrosis TGLS = 2-5A]			
* Liver		Hepatodiaphragmatic Nodule	
		Necrosis	Minimal
[Hepatodiaphragmatic Nodule TGLS = 6-6]			
Lymph Node	Iliac	Hyperplasia	Lymphoid, Minimal
Note: MEDIASTINAL LYMPH NODE IS NORMAL. TGL 5-NCL			
[Hyperplasia TGLS = 4-15]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-8]			
Skel Muscle			
Note: TGL 3-NCL			
* Skin	Subcut Tiss	Inflammation	Acute, Moderate
Note: THE SKIN ULCERATION WITH EVISCERATION WAS NOT APPARENT IN TISSUE SECTION.			
[Inflammation TGLS = 1-10A]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 332

TRT#: 6

SEX: Female

DAY ON TEST: 503

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913782

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular
[Erosion TGLS = 7-14A]

Erosion

Focal, Mild

* Thymus

Hemorrhage

Mild

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 333

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913783

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Myelofibrosis	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-8,12]			
* Lung	Interstitial	Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus	Thymocyte	Atrophy	Moderate
	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 334

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913784

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Nose	* Ovary
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-13, 2-14]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Parathyroid Gland		Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 335

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913785

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Clitoral Gland		Inflammation	Chronic, Mild
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 3-8]			
[Leukemia Mononuclear TGLS = 2-8]			
[Mixed Cell Focus TGLS = 3-8]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8]			
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 336

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913786

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-8,12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
[Cyst TGLS = 3-3]			
* Spleen		Pigmentation	Minimal
* Thymus	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 337

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913787

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Nose
* Ovary	* Parathyroid Gland	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Mammary Gland	* Skin
-----------------	--------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-8]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Hyperplasia	Focal, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-3]			
* Salivary Glands	Parotid GI	Atrophy	Focal, Mild
* Thymus	Thymocyte	Atrophy	Mild
* Thyroid Gland	Follicle	Cyst	Minimal
	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 338

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913788

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Bone Marrow		Atrophy	Minimal
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 339

TRT#: 6

SEX: Female

DAY ON TEST: 568

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913789

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|--------------------------|---------------------------|
| * Adrenal Cortex | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Esophagus | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lymph Node, Mandibular | * Mammary Gland | * Ovary | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

- | | | |
|--|----------------------------|------------------|
| * Adrenal Medulla
[Pheochromocytoma Malignant TGLS = 1-3] | Pheochromocytoma Malignant | |
| * Clitoral Gland | Inflammation | Chronic, Minimal |
| * Heart | Cardiomyopathy | Mild |
| * Liver | Basophilic Focus | |
| * Lung | Hemorrhage | Moderate |
| * Lymph Node, Mesenteric | Infiltration Cellular | Histiocyte, Mild |
| * Nose | Hemorrhage | Moderate |
| * Pancreas | Atrophy | Focal, Mild |
| | Acinus | |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 340

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913790

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| Blood Vessel | * Bone | * Clitoral Gland | * Esophagus |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Trachea | | | |

OBSERVATIONS

- | | | | |
|---|-------------------------|-------------------------|------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Hyperplasia | Focal, Marked |
| | | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Hydrocephalus | Mild |
| Note: THERE IS MODERATE COMPRESSION INJURY OF THE HYPOTHALAMUS. | | | |
| * Clitoral GI | | | |
| Note: TGL 4-NCL | | | |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Intestine Large, Cecum | | Leukemia Mononuclear | |
| * Intestine Large, Colon | | Leukemia Mononuclear | |
| * Kidney | Bilateral, Pelvis | Mineralization | Focal, Moderate |
| | Bilateral | Nephropathy | Chronic, Minimal |
| | Bilateral, Renal Tubule | Pigmentation | Mild |
| * Liver | | Angiectasis | Focal, Mild |
| | | Eosinophilic Focus | |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 7-8] | | | |
| * Lung | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 10,11-6] | | | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| | | Leukemia Mononuclear | |

Note: TGL 2 INVOLVES THE AXILLARY LYMPH NODE AND IS REPRESENTED IN BLOCK 14.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 340

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913790

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 9-3]			
[Leukemia Mononuclear TGLS = 2-14]			
[Leukemia Mononuclear TGLS = 6-12]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-13]			
* Nose	Nasolacrimal Dct	Inflammation	Acute, Mild
* Ovary		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-3]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Focal, Moderate
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: THORACIC CAVITY CLEAR FLUID, TGL 8-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 341

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913791

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2,3-8]			
* Lung		Hemorrhage	Minimal
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Mild
* Ovary	Follicle	Cyst	Mild
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8]			
* Thymus	Thymocyte	Atrophy	Moderate
	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 342

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913792

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
* Lung		Hemorrhage	Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Thymus	Epithel Cell	Hyperplasia	Mild
* Uterus	Endometrium	Polyp Stromal	

[Polyp Stromal TGLS = 1-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 343

TRT#: 6

SEX: Female

DAY ON TEST: 622

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913793

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Hepatocyte	Mixed Cell Focus	
	[Hepatodiaphragmatic Nodule TGLS = 1-8]	Vacuolization Cytoplasmic	Minimal
	[Mixed Cell Focus TGLS = 2-12]		
* Lung	Serosa	Inflammation	Chronic, Mild
	[Inflammation TGLS = 3-6]		
* Mammary Gland		Galactocele	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus	Thymocyte	Atrophy	Moderate
Tooth		Developmental Malformation	Moderate

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 344

TRT#: 6

SEX: Female

DAY ON TEST: 661

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913794

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum
--------------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear Leukemia Mononuclear Nephropathy	Chronic, Mild
* Liver	Bilateral	Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-14]	
		[Leukemia Mononuclear TGLS = 1-13]	
		[Leukemia Mononuclear TGLS = 3-12]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Acute, Minimal
* Ovary		Cyst	Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 344

TRT#: 6

SEX: Female

DAY ON TEST: 661

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913794

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-3]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-8]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 345

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913795

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Clitoral Gland		Hyperplasia	Focal, Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-8,12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-13,14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-3]			
* Spleen		Leukemia Mononuclear	
		Pigmentation	Minimal
* Thymus	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland	Follicle	Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 346

TRT#: 6

SEX: Female

DAY ON TEST: 391

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913796

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Int Lg Cecum			
Note: TGL 2-NCL			
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin			
Note: TGL 1-NCL			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: CARCASS THIN, TGL 3-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 347

TRT#: 6

SEX: Female

DAY ON TEST: 711

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913797

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lung	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum	* Intestine Small, Jejunum
---------------------------	----------------------------

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Hemorrhage	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-12]			
* Ovary	Bursa	Cyst	Moderate
[Cyst TGLS = 1-9]			
* Pituitary Gland	Pars Distalis	Pigmentation	Mild
Note: TGL 7-NCL			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			
* Stomach, Forestomach		Ulcer	Focal, Marked
[Ulcer TGLS = 4-4]			
* Stomach, Glandular	Serosa	Inflammation	Acute, Mild
* Thymus	Thymocyte	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 347

TRT#: 6

SEX: Female

DAY ON TEST: 711

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913797

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Stomach, Forestomach Ulcer

Animal Note: CARCASS YELLOW, TGL 8-NST

Animal Note: THORACIC CAVITY YELLOW FLUID, TGL 6-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 348

TRT#: 6

SEX: Female

DAY ON TEST: 697

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913798

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Moderate
* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain	Cerebrum	Hemorrhage	Focal, Minimal
* Kidney	Bilateral	Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2,3-8,12]		
* Lung		Leukemia Mononuclear	
	Note: TGL 4-NCL		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Focal, Moderate
	[Angiectasis TGLS = 5-3.1]		
* Spleen		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	
* Uterus	Endometrium	Polyp Stromal	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 349

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913799

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lung	* Lymph Node, Mandibular
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Atrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Angiectasis	Focal, Mild
		Basophilic Focus	
		Mixed Cell Focus	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-3]			
* Spleen		Pigmentation	Minimal
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 350

TRT#: 6

SEX: Female

DAY ON TEST: 616

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913800

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Adrenal Cortex

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney	Pelvis	Dilatation	Mild
	Bilateral	Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Atrophy	Diffuse, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Moderate
		[Hematopoietic Cell Proliferation TGLS = 2-8]	
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus	Thymocyte	Atrophy	Moderate
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
* Uterus		Schwannoma Malignant	
		[Schwannoma Malignant TGLS = 1-12]	

PRIMARY CAUSE OF DEATH

- Uterus Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 350

TRT#: 6

SEX: Female

DAY ON TEST: 616

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913800

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 351

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913801

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Clitoral Gland		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lung		Hemorrhage	Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Galactocele	Minimal
* Ovary	Follicle	Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Minimal
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 352

TRT#: 6

SEX: Female

DAY ON TEST: 690

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Ovary	* Parathyroid Gland	Peripheral Nerve	* Salivary Glands
Skeletal Muscle	* Skin	Spinal Cord	* Stomach, Forestomach
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Brain		Hydrocephalus	Mild
Note: THERE IS EXTENSIVE COMPRESSION INJURY OF THE HYPOTHALAMUS.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Mild
* Liver		Angiectasis	Focal, Minimal
		Basophilic Focus	
		Mixed Cell Focus	
* Lung		Foreign Body	Minimal
	Interstitialium	Inflammation	Chronic, Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Degeneration	Cystic, Moderate
* Mammary Gland		Galactocele	Mild
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Focal, Minimal
Perph Nerve			
Note: SCIATIC NERVE IS NORMAL.			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-3]			
* Spleen		Pigmentation	Minimal
* Stomach, Glandular	Glands	Cyst	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 352

TRT#: 6

SEX: Female

DAY ON TEST: 690

DOSE: 25000 PPM

DISP: Moribund Sacrifice

HISTO: MA913802

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Moderate
* Trachea		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 353

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913803

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-9]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
* Lung	Interstitial	Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Degeneration	Cystic, Mild
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Galactocele	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-12]			
* Pancreas	Acinus	Hyperplasia	Focal, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-3]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus	Thymocyte	Atrophy	Minimal
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 353

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913803

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 354

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913804

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Minimal
	Bilateral, Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-12]		
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Minimal
	[Fibroadenoma TGLS = 1-13, 2-14]		
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLS = 6-3]		
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 354

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913804

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-8]

* Stomach, Glandular

Glands

Cyst

Focal, Minimal

* Thymus

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Focal, Marked

* Uterus

Endometrium

Polyp Stromal

[Polyp Stromal TGLS = 3-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 355

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913805

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| Blood Vessel | * Bone | * Brain | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose |
| * Ovary | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|------------------------------------|---------------|----------------------------|---------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Bone Marrow | | Hyperplasia | Mild |
| * Clitoral Gland | | Cyst | Marked |
| | | Hyperplasia | Focal, Mild |
| [Cyst TGLS = 1-9] | | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | Bilateral | Mineralization | Focal, Minimal |
| | Bilateral | Nephropathy | Chronic, Minimal |
| * Liver | | Basophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Hepatodiaphragmatic Nodule | |
| | | Leukemia Mononuclear | |
| | | Mixed Cell Focus | |
| [Mixed Cell Focus TGLS = 3-8,12] | | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Histiocyte, Minimal |
| | | Leukemia Mononuclear | |
| * Mammary Gland | | Galactocele | Minimal |
| * Pancreas | Acinus | Atrophy | Focal, Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Cyst | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 355

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913805

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-3.1]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-8]

* Stomach, Glandular

Glands

Cyst

Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 356

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913806

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex	Bilateral	Vacuolization Cytoplasmic	Focal, Moderate
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Brain		Hydrocephalus	Minimal
* Clitoral Gland		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-8,12]			
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
* Lymph Node, Mesenteric		Degeneration	Cystic, Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Mild
[Fibroadenoma TGLS = 1-13]			
* Nose		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-3]			
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus		Cyst	Minimal
	Epithel Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 356

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913806

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 357

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913807

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Moderate
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 3-8,12]		
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Galactocele	Minimal
	[Fibroadenoma TGLS = 1-13]		
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Polyp Stromal	Multiple

Note: (TGL 2) ONE OF THE STROMAL POLYPS IS INFARCTED.

[Polyp Stromal TGLS = 2-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 358

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913808

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
* Lung		Hemorrhage	Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Minimal
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
* Uterus	Endometrium	Polyp Stromal	

[Polyp Stromal TGLS = 1-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 359

TRT#: 6

SEX: Female

DAY ON TEST: 726

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913809

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Urinary Bladder	* Uterus	

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Clitoral Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-9]			
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8,9-12]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Minimal
* Nose		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 359

TRT#: 6

SEX: Female

DAY ON TEST: 726

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913809

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-3]

* Salivary Glands

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3,4,5-8]

* Stomach, Glandular

Leukemia Mononuclear

* Thymus

Leukemia Mononuclear

* Trachea

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 360

TRT#: 6

SEX: Female

DAY ON TEST: 624

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913810

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex	Bilateral	Necrosis	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-12]			
[Leukemia Mononuclear TGLS = 1-13]			
[Leukemia Mononuclear TGLS = 6-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: THORACIC CAVITY CLEAR FLUID, TGL 3-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 360

TRT#: 6

SEX: Female

DAY ON TEST: 624

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913810

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 361

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913811

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Bilateral	Vacuolization Cytoplasmic	Focal, Minimal
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-9]			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Galactocele	Minimal
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-3]			
* Spleen		Pigmentation	Minimal
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
		Inflammation	Chronic, Minimal
* Thymus	Epithel Cell	Hyperplasia	Minimal
* Uterus		Hydrometra	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 362

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913812

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Mild
		Schwannoma Malignant	
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Ovary		Granulosa Cell Tumor Malignant	
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
Note: THE LESION WAS SIMILAR IN BLOCK 5 AND BLOCK 12 AND DIAGNOSED FOR THIS CASE.			
* Thymus	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 363

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913813

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex	Bilateral	Hyperplasia Hypertrophy Vacuolization Cytoplasmic	Focal, Mild Focal, Marked Focal, Mild
* Bone	Femur	Hyperostosis	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus Mixed Cell Focus	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Nose		Inflammation	Chronic, Mild
* Ovary	Bursa	Cyst	Mild
[Cyst TGLS = 1-9]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-3]			
* Skin	Subcut Tiss	Fibrosis	Focal, Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus	Epithel Cell	Hyperplasia	Mild
Tooth	Gingiva	Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 364

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 25000 PPM

DISP: Terminal Sacrifice

HISTO: MA913814

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Clitoral Gland		Hyperplasia	Focal, Moderate
		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-8,13]			
* Lymph Node, Mandibular		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-3]			
* Spleen		Pigmentation	Minimal
* Thymus	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
* Uterus	Endometrium	Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 365

TRT#: 6

SEX: Female

DAY ON TEST: 689

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913815

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Pancreas	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Bilateral, Renal Tubule	Pigmentation	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-13]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-12]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-8]		
* Thymus		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-9]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 365

TRT#: 6

SEX: Female

DAY ON TEST: 689

DOSE: 25000 PPM

DISP: Natural Death

HISTO: MA913815

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: SMALL INTESTINE- ATTRIBUTE TGL 2 TO ADVANCED AUTOLYSIS.

Animal Note: ABDOMINAL CAVITY RED FLUID, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 366

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913716

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lung	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Atrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 1-8]			
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12]			
* Nose		Inflammation	Chronic, Minimal
* Ovary	Bursa	Cyst	Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
* Spleen		Pigmentation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 367

TRT#: 8

SEX: Female

DAY ON TEST: 271

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913717

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Parathyroid Gland
Peripheral Nerve	* Pituitary Gland	* Salivary Glands	Skeletal Muscle
* Skin	Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Brain	Cerebrum	Astrocytoma Malignant	
[Astrocytoma Malignant TGLS = 3-1]			
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-15]			
* Nose		Inflammation	Chronic, Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
Perph Nerve			
Note: THE SCIATIC NERVE IS NORMAL.			
* Thyroid Gland		Ultimobranchial Cyst	Minimal
* Uterus		Hydrometra	Mild

PRIMARY CAUSE OF DEATH - Brain Cerebrum Astrocytoma Malignant

Animal Note: CRANIUM CAVITY YELLOW FLUID, TGL 2-NST

Animal Note: CARCASS THIN, TGL 4-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 368

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913718

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 3-7]		
* Liver		Basophilic Focus	
	Hepatocyte	Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 4-8]	Vacuolization Cytoplasmic	Minimal
* Lung	Interstitialium	Inflammation	Chronic, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
	Note: TGL 2 INVOLVES MAMMARY GLAND RATHER THAN SKIN.		
	[Fibroadenoma TGLS = 1-12, 2-14]		
* Pancreas	Acinus	Atrophy	Diffuse, Marked
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 5-3]		
* Thymus	Thymocyte	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 369

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913719

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-9]			
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2,3-8.1]			
* Lung	Interstitial	Inflammation	Chronic, Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Galactocele	Mild
	Epithelium	Hyperplasia	Moderate
* Nose		Inflammation	Chronic, Minimal
* Ovary	Follicle	Cyst	Minimal
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-3]			
* Spleen		Pigmentation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 370

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913720

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Intestine Small, Jejunum

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 1-12]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Thymus	Epithel Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 371

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913721

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
		Vacuolization Cytoplasmic	Focal, Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lung	Interstitialium	Inflammation	Chronic, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-5]			
Oviduct		Cyst	Mild
[Cyst TGLS = 4-9]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Polyp Stromal	Multiple
[Polyp Stromal TGLS = 2,3-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 372

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913722

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
	Bilateral, Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-8]			
* Lymph Node, Mandibular		Pigmentation	Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Galactocele	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-3]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 3-13]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 373

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913723

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Bilateral, Renal Tubule	Accumulation, Hyaline Droplet	Moderate
	Bilateral	Nephropathy	Chronic, Minimal
	Bilateral, Renal Tubule	Pigmentation	Moderate
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
		Mixed Cell Focus	
		[Hepatodiaphragmatic Nodule TGLS = 5-8]	
		[Leukemia Mononuclear TGLS = 4,6-8]	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-12]	
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
* Mammary Gland		Fibroadenoma	
		Galactocele	Minimal
		[Fibroadenoma TGLS = 1-14]	
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
		[Cyst TGLS = 8-3]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 373

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913723

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 2,3-8,13]		Leukemia Mononuclear	
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 374

TRT#: 8

SEX: Female

DAY ON TEST: 712

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913724

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Jejunum
* Kidney	* Liver	* Lung	* Lymph Node, Mesenteric
* Ovary	* Skin	* Urinary Bladder	* Uterus

MISSING

* Esophagus	* Heart	* Islets, Pancreatic	* Lymph Node, Mandibular
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

AUTO PRECLUDES DIAG.

* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
--------------------------	-----------------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Bone Marrow		Hyperplasia	Mild
* Mammary Gland		Fibroadenoma	
		Galactocele	Mild
[Fibroadenoma TGLS = 1-12]			
* Nose	Nasolacrim Dct	Inflammation	Acute, Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 375

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913725

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Eosinophilic Focus	
		Mixed Cell Focus	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-3]			
* Spleen		Pigmentation	Minimal
* Thymus	Thymocyte	Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 376

TRT#: 8

SEX: Female

DAY ON TEST: 512

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913726

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Lung	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney	Bilateral	Mineralization	Focal, Minimal
	Bilateral, Renal Tubule	Pigmentation	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3A]			
[Leukemia Mononuclear TGLS = 1-9A]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	Mild
[Cyst TGLS = 5-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Stomach, Glandular		Erosion	Focal, Mild
[Erosion TGLS = 7-14A]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 376

TRT#: 8

SEX: Female

DAY ON TEST: 512

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913726

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CARCASS THIN, TGL 6-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 377

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913727

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Kidney	Bilateral	Cyst	Mild
	[Cyst TGLS = 3-7,14]	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	[Mixed Cell Focus TGLS = 4-8]	Hyperplasia	Focal, Mild
		Mixed Cell Focus	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-12]		
Mesentery	Fat	Necrosis	Mild
	Note: TGL 6 ACTUALLY INVOLVED THE MESENTERY RATHER THAN DIAPHRAGM.		
	[Necrosis TGLS = 6-13]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus	Thymocyte	Atrophy	Moderate
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Carcinoma	
	[Carcinoma TGLS = 5-2]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 377

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913727

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Thrombosis

Moderate

[Thrombosis TGLS = 2-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 378

TRT#: 8

SEX: Female

DAY ON TEST: 506

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913728

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Uterus	

MISSING

* Clitoral Gland

OBSERVATIONS

* Bone Marrow		Atrophy	Mild
* Brain			
Note: THERE IS EXTENSIVE COMPRESSION INJURY OF THE HYPOTHALAMUS CAUSED BY THE PITUITARY NEOPLASM.			
* Kidney	Bilateral	Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Mild
	Bilateral, Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lymph Node, Mandibular		Hemorrhage	Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Carcinoma	
		Fibroadenoma	
Note: TGL 1 WAS PLACED IN TWO CASSETTES.			
	[Carcinoma TGLS = 2-10B]		
	[Fibroadenoma TGLS = 1-10A,C]		
* Ovary	Bilateral	Cyst	Moderate
	[Cyst TGLS = 3-7]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-8]		
* Urinary Bladder	Transit Epithe	Papilloma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 378

TRT#: 8

SEX: Female

DAY ON TEST: 506

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913728

ORGAN AND ACCOUNTABLE SITE STATUS

[Papilloma TGLS = 6-9]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

Animal Note: CARCASS THIN, TGL 5-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 379

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913729

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Focal, Minimal
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 4-7]			
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-12]			
* Nose		Inflammation	Chronic Active, Moderate
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			
* Thymus	Epithel Cell	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 5-2.1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 379

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913729

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Cyst

Mild

[Cyst TGLS = 2-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 380

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913730

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Bone Marrow		Myelofibrosis	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Galactoceles	Minimal
[Galactoceles TGLS = 1-5]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen		Leukemia Mononuclear	
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 381

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913731

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Bone Marrow		Atrophy	Minimal
* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-8,12]			
* Mammary Gland		Fibroadenoma	
		Galactocele	Minimal
[Fibroadenoma TGLS = 2-13]			
* Ovary	Follicle	Cyst	Mild
[Cyst TGLS = 3-9]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-3]			
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 382

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913732

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral GI			
Note: TGL 1 ACTUALLY INVOLVED MAMMARY GLAND RATHER THAN CLITORAL GLAND AS STATED ON THE INDIVIDUAL ANIMAL NECROPSY RECORD.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 3-7]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-8,8.1]			
* Lung		Hemorrhage	Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Cyst	Mild
[Cyst TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 383

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913733

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	Tongue	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-8,13]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
		[Adenoma TGLS = 3-3]	
* Spleen		Leukemia Mononuclear	
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
Tongue			
Note: TGL 2-NCL			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 383

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913733

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 384

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913734

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Marked
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-13]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Galactocele	Mild
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 385

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913735

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	
* Bone Marrow		Histiocytic Sarcoma	
* Clitoral Gland		Adenoma	
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
		[Hepatodiaphragmatic Nodule TGLS = 2-13]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 1-12]	
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	Follicle	Cyst	Mild
* Uterus		Hydrometra	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 386

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913736

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	Ureter
* Urinary Bladder			

OBSERVATIONS

* Brain	Cerebrum	Astrocytoma Malignant	
* Clitoral Gland		Hyperplasia	Focal, Marked
		Inflammation	Chronic Active, Mild
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
		[Mixed Cell Focus TGLS = 1-12,12.1; 2-13,13.1]	
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Galactocele	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Thymus	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	
* Trachea		Inflammation	Chronic, Minimal
* Uterus		Hydrometra	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 387

TRT#: 8

SEX: Female

DAY ON TEST: 434

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913737

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Colon	* Intestine Small, Ileum
* Islets, Pancreatic	* Kidney	* Lung	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Pancreas	* Pituitary Gland		
------------	-------------------	--	--

AUTO PRECLUDES DIAG.

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Stomach, Glandular	* Thyroid Gland	

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
* Thymus	Thymocyte	Atrophy	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 388

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913738

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex	Bilateral	Hyperplasia	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Adenoma	
	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 389

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913739

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Ovary	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 3-9]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral, Renal Tubule	Accumulation, Hyaline Droplet	Mild
	Bilateral	Nephropathy	Chronic, Mild
	Bilateral, Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-8,12]	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
		Hyperplasia	Lymphoid, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-14, 2-13]			
* Pancreas	Acinus	Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-3]			
* Spleen		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 389

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913739

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

Glands

Cyst

Focal, Minimal

* Thymus

Epithel Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 390

TRT#: 8

SEX: Female

DAY ON TEST: 622

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913740

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
* Intestine Large, Rectum	* Intestine Small, Ileum	* Nose	* Parathyroid Gland
* Thyroid Gland	* Trachea		

MISSING

* Islets, Pancreatic	* Pancreas
----------------------	------------

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Int Sm Ileum			
Note: TGL 5-NCL			
* Intestine Large, Cecum		Leukemia Mononuclear	
* Intestine Large, Colon		Leukemia Mononuclear	
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-19]			
* Kidney		Leukemia Mononuclear	
	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-8]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-6]			
Lymph Node	Iliac	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
		Leukemia Mononuclear	
Note: LYMPH NODE IN BLOCK 17 REPRESENTS AXILLARY LYMPH NODE (TGL 12)			
[Leukemia Mononuclear TGLS = 12-17]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 390

TRT#: 8

SEX: Female

DAY ON TEST: 622

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913740

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-15]	
[Leukemia Mononuclear TGLS = 8-16]	
[Leukemia Mononuclear TGLS = 10-18]	
* Lymph Node, Mandibular	Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 1-2]	
* Lymph Node, Mesenteric	Leukemia Mononuclear
* Mammary Gland	Fibroadenoma
[Fibroadenoma TGLS = 2-14]	
Mesentery	Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 6-13]	
* Ovary	Leukemia Mononuclear
* Pituitary Gland	Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 14-3]	
* Salivary Glands	Leukemia Mononuclear
* Skin	Leukemia Mononuclear
* Spleen	Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 3-8,12; 4-12]	
* Stomach, Forestomach	Leukemia Mononuclear
* Stomach, Glandular	Leukemia Mononuclear
* Thymus	Leukemia Mononuclear
* Urinary Bladder	Leukemia Mononuclear
* Uterus	Leukemia Mononuclear

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: SKELETAL MUSCLE VENTRAL MASS, TGL 13-NST

Animal Note: CARCASS THIN, TGL 15-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 391

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913741

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lung	Interstitium	Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
	Acinus	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-3]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 392

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
		Vacuolization Cytoplasmic	Focal, Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
	Bilateral, Renal Tubule	Pigmentation	Minimal
* Liver		Hepatocellular Adenoma	
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLS = 2-8]		
* Lung		Hemorrhage	Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-12]		
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-3]		
* Thymus	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 393

TRT#: 8

SEX: Female

DAY ON TEST: 330

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913743

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Inflammation	Acute, Focal, Mild
* Bone Marrow		Hyperplasia	Mild
* Kidney	Bilateral	Mineralization	Focal, Minimal
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Carcinoma	
Note: TGL 1 ACTUALLY INVOLVED THE MAMMARY GLAND RATHER THAN SKIN AS STATED ON THE INDIVIDUAL ANIMAL NECROPSY RECORD. [Carcinoma TGLS = 1-15]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Thymus	Thymocyte	Atrophy	Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Carcinoma

Animal Note: TGL 1 ACTUALLY INVOLVED THE MAMMARY GLAND RATHER THAN SKIN AS STATED ON THE INDIVIDUAL ANIMAL NECROPSY RECORD.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 394

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913744

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Nose
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-9,9.1]			
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
[Mixed Cell Focus TGLS = 4-8]		Mixed Cell Focus	
* Lymph Node, Mesenteric		Hemorrhage	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-12]			
* Ovary	Bursa	Cyst	Mild
[Cyst TGLS = 2-9]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Skin	Subcut Tiss	Inflammation	Chronic, Focal, Minimal
* Thymus	Thymocyte	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
* Uterus	Endometrium	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 395

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913745

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Atrophy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lung	Interstitial	Inflammation	Chronic, Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Ovary	Follicle	Cyst	Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Salivary Glands	Parotid GI	Atrophy	Focal, Mild
* Thyroid Gland		Ultimobranchial Cyst	Mild
* Uterus	Endometrium	Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 396

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913746

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Clitoral Gland	* Parathyroid Gland
------------------	---------------------

OBSERVATIONS

* Adrenal Cortex	Bilateral	Vacuolization Cytoplasmic	Focal, Mild
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Mild
	Pelvis, Transit Epithe	Papilloma	
	Bilateral, Renal Tubule	Pigmentation	Minimal
[Nephropathy TGLS = 2-7]			
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Galactocele	Mild
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
* Spleen		Leukemia Mononuclear	
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 396

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913746

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 397

TRT#: 8

SEX: Female

DAY ON TEST: 697

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913747

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Clitoral Gland	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Mammary Gland	* Parathyroid Gland	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	

MISSING

* Urinary Bladder

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Islets, Pancreatic	* Pancreas
--------------------------	----------------------	------------

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-1]		
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-8]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-12]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Nasolacrim Dct	Inflammation	Acute, Mild
* Ovary		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-3]		
* Salivary Glands		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 397

TRT#: 8

SEX: Female

DAY ON TEST: 697

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913747

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 3-8]		Leukemia Mononuclear	
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	
* Uterus [Polyp Stromal TGLS = 2-9]	Endometrium	Polyp Stromal	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 398

TRT#: 8

SEX: Female

DAY ON TEST: 724

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913748

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney	Bilateral, Renal Tubule	Leukemia Mononuclear	
		Pigmentation	Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-8]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-13]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Angiectasis	Focal, Mild
	Pars Distalis	Cyst	Mild
	[Angiectasis TGLS = 6-3]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Ulcer	Focal, Mild
* Stomach, Glandular		Erosion	Focal, Mild
* Thymus	Thymocyte	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 398

TRT#: 8

SEX: Female

DAY ON TEST: 724

DOSE: 50000 PPM

DISP: Natural Death

HISTO: MA913748

ORGAN AND ACCOUNTABLE SITE STATUS

Zymbal's Gland

Cyst

Mild

[Cyst TGLS = 5-12]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Animal Note: CARCASS YELLOW, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 399

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913749

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Clitoral Gland		Adenoma	
		Inflammation	Chronic, Mild
[Adenoma TGLS = 2-9]			
* Intestine Small, Ileum		Ulcer	Focal, Moderate
[Ulcer TGLS = 3-12.1]			
* Intestine Small, Jejunum		Ulcer	Focal, Moderate
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Galactocele	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-3]			
* Spleen		Congestion	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 400

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913750

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 1-8,12]			
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
* Lymph Node, Mesenteric		Degeneration	Cystic, Minimal
* Pancreas	Acinus	Atrophy	Diffuse, Marked
* Pituitary Gland	Pars Distalis	Angiectasis	Focal, Moderate
[Angiectasis TGLS = 2-3]			
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 401

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913751

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Ectopic Liver	
	Bilateral	Nephropathy	Chronic, Mild
[Ectopic Liver TGLS = 2-7]			
[Nephropathy TGLS = 1-7]			
* Liver		Basophilic Focus	
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Note: TGL 3-NCL			
Lymph Node	Mediastinal	Pigmentation	Moderate
[Pigmentation TGLS = 4-12]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Galactocele	Minimal
* Ovary	Bilateral	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen		Pigmentation	Minimal
* Thymus	Thymocyte	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 401

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913751

ORGAN AND ACCOUNTABLE SITE STATUS

Epithel Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 402

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913752

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Adenoma	
		Carcinoma	
* Kidney	Bilateral	Mineralization	Focal, Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			
* Lung	Interstitial	Inflammation	Chronic, Minimal
[Inflammation TGLS = 3-6]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Pituitary Gland	Pars Distalis	Angiectasis	Focal, Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8]			
* Thymus	Thymocyte	Atrophy	Mild
		Hemorrhage	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 403

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913753

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Focal, Moderate
		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-13; 2-12]			
* Ovary	Follicle	Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-3]			
* Spleen		Pigmentation	Minimal
* Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 404

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913754

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Nose	* Ovary	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic Active, Moderate
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
		[Hepatodiaphragmatic Nodule TGLS = 2-12]	
		[Mixed Cell Focus TGLS = 3-13]	
* Lung			
		Note: TGL 4-NCL	
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Galactocele	Minimal
		[Fibroadenoma TGLS = 1-14]	
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 5-3]	
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 404

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913754

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 405

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913755

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Clitoral Gland		Adenoma	
		Carcinoma	
[Carcinoma TGLS = 2-9]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-12]			
* Mammary Gland		Fibroadenoma	
		Galactocele	Mild
[Fibroadenoma TGLS = 1-13]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-3]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Glandular	Glands	Cyst	Focal, Minimal
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Focal, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 406

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913756

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 3-8]		
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Minimal
	[Fibroadenoma TGLS = 1-12, 2-13]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-3]		
* Thymus	Thymocyte	Atrophy	Minimal
* Uterus		Hydrometra	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 407

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913757

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Clitoral Gland		Adenoma	
Note: THE MASS (TGL 2) ACTUALLY INVOLVED THE MAMMARY GLAND. [Adenoma TGLS = 1-12]			
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-13]			
* Ovary	Bursa	Cyst	Mild
[Cyst TGLS = 3-9]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Focal, Moderate
[Angiectasis TGLS = 4-3]			
* Thymus	Thymocyte	Atrophy	Moderate
	Epithel Cell	Hyperplasia	Mild
* Uterus		Hydrometra	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 407

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913757

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 408

TRT#: 8

SEX: Female

DAY ON TEST: 491

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913758

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Clitoral GI			
Note: TGL 5-NCL			
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Mild
Note: TGL 4-NCL			
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 3-3A]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Mesentery		Accessory Spleen	
[Accessory Spleen TGLS = 2-16]			
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
Vagina		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 1-15]			

PRIMARY CAUSE OF DEATH

- Vagina Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 409

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913759

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Atrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Mild
[Nephropathy TGLS = 2-7]			
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-8]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Focal, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-3]			
* Skin	Lip	Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-12]			
* Thymus	Epithel Cell	Hyperplasia	Minimal
Tongue	Capillary	Erosion	Focal, Mild
[Erosion TGLS = 4-13]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 410

TRT#: 8

SEX: Female

DAY ON TEST: 484

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913760

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
Peripheral Nerve	* Salivary Glands	Skeletal Muscle	* Skin
Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-2,3]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3A]			
[Leukemia Mononuclear TGLS = 2-9A]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8]			
* Pancreas	Acinus	Atrophy	Focal, Mild
Perph Nerve			
Note: SCIATIC NERVE IS NORMAL.			
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-8]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 410

TRT#: 8

SEX: Female

DAY ON TEST: 484

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913760

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3,4-3]

* Thymus

Leukemia Mononuclear

* Urinary Bladder

Leukemia Mononuclear

* Uterus

Hydrometra

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 411

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Eosinophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-13]			
* Lung		Hemorrhage	Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Chronic, Minimal
* Ovary	Bursa	Cyst	Moderate
[Cyst TGLS = 1-9]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
* Thymus	Thymocyte	Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
* Uterus	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 412

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913762

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Clitoral Gland		Hyperplasia Inflammation	Focal, Mild Chronic, Minimal
[Hyperplasia TGLS = 1-9]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-8]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Minimal
[Fibroadenoma TGLS = 2-12, 3-13]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal
[Cyst TGLS = 5-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 413

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913763

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Heart		Cardiomyopathy	Moderate
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Ovary	Bursa	Cyst	Mild
[Cyst TGLS = 2-9]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 414

TRT#: 8

SEX: Female

DAY ON TEST: 581

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: MA913764

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Brain	Cerebrum	Hemorrhage	Focal, Mild
	Cerebrum, Meninges	Hemorrhage	Mild
[Hemorrhage TGLS = 3-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Mineralization	Focal, Minimal
	Bilateral	Nephropathy	Chronic, Minimal
* Liver		Mixed Cell Focus	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Galactocele	Minimal
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Nasolacrim Dct	Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
Note: FOR NEOPLASM SEE BRAIN (SECTION 1).			
* Thymus	Thymocyte	Atrophy	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

Animal Note: CRANIAL CAVITY RED FLUID, TGL 2-NST

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 415

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913765

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-8]			
* Lung		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Focal, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Galactocele	Moderate
* Ovary	Bursa	Cyst	Moderate
[Cyst TGLS = 1-9]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Focal, Mild
[Adenoma TGLS = 5-3]			
* Spleen		Fibrosarcoma	
		Hematopoietic Cell Proliferation	Mild
[Fibrosarcoma TGLS = 3-12]			
* Thymus	Thymocyte	Atrophy	Mild
	Epithel Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05182-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 10/21/2014

Time Report Requested: 22:45:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 415

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: MA913765

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Polyp Stromal

[Polyp Stromal TGLS = 2-9]

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE