

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

C Number:	C62260B
Lock Date:	02/09/2005
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Male
PWG Approval Date	04/25/2006

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 0403691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 1-11]	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:45

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 1

TRT#: 1

DOSE: 0 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 0403691

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 0403692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
	Duct	Cyst	Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:45

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403692

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 3	TRT#: 1	SEX: Male	DAY ON TEST: 696
	DOSE: 0 PPM	DISP: Natural Death	HISTO: 0403693

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Mammary Gland
* Nose	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Intestine Small, Duodenum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Spleen	* Stomach, Forestomach
* Stomach, Glandular			

OBSERVATIONS

* Adren Cortex			
Note: One adrenal gland was missing			
* Adrenal Medulla		Necrosis	Marked
Note: One adrenal gland was missing			
[Necrosis TGLS = 1-8]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
Note: One kidney was missing			
* Liver		Fatty Change	Moderate
	Centrilobular	Necrosis	Moderate
* Lung			
Note: Left lung was missing			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 4	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 0403694

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Mild
* Pancreas	Duct	Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Minimal
* Prostate		Hyperplasia	Mild
		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 5	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 0403695

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Fibrosis	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Necrosis	Mild
		Nephropathy	Minimal
* Liver		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	[Hyperplasia TGLS = 3-6+7]		
* Lung		Inflammation	Mild
* Mammary Gland		Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	[Adenoma TGLS = 2-8]		
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 5	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 0403695

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 4-14]			
* Stomach, Forestomach		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 0403696

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-14]			
* Nose	Goblet Cell	Hyperplasia	Minimal
		Inflammation	Mild
* Preputial Gland		Inflammation	Mild
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 2-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 0403696

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-11]

* Thymus Atrophy Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 7	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 0403697

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
		Mixed Cell Focus	
		[Hyperplasia TGLS = 3-6+7]	
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
		Inflammation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
		[Adenoma TGLS = 1-8]	
* Preputial Gland		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 7	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 0403697

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 8	TRT#: 1	SEX: Male	DAY ON TEST: 548
	DOSE: 0 PPM	DISP: Moribund Sacrifice	HISTO: 0403698

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone	Joint	Inflammation	Minimal
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
		Fatty Change	Minimal
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
	Duct	Cyst	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Moderate
Zymbal's Gland		Carcinoma	

[Carcinoma TGLS = 1-14]

PRIMARY CAUSE OF DEATH - Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 8

TRT#: 1
DOSE: 0 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 548
HISTO: 0403698

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 9	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 0403699

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone		Chordoma	
Note: The spinal cord mass described at tissue trim was examined microscopically and diagnosed as an osseous neoplasm [Chordoma TGLS = 2-14]			
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Cyst	Minimal
		Eosinophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Chordoma	Metastatic (Bone)
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Minimal
* Prostate		Hyperplasia	Minimal
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 9	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 0403699

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 674

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 0403700

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
[Nephropathy TGLS = 3-5]			
* Liver	Centrilobular	Degeneration	Mild
		Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Moderate
		Inflammation	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-5]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 10	TRT#: 1	SEX: Male	DAY ON TEST: 674
	DOSE: 0 PPM	DISP: Moribund Sacrifice	HISTO: 0403700

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hyperplasia	Minimal
* Urinary Bladder		Papilloma	
[Papilloma TGLS = 4-14]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 11

TRT#: 1
DOSE: 0 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 606
HISTO: 0403701

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6+7]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-15]		
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-11]		
* Thymus		Atrophy	Marked
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:45

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 606

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 0403701

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403702

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6+7]		
* Lung		Inflammation	Minimal
* Nose		Inflammation	Mild
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Minimal
	[Angiectasis TGLS = 4-8]		
* Preputial Gland		Adenoma	
		Inflammation	Mild
* Prostate		Hyperplasia	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-14]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 12	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 0403702

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 1-11]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403703

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain	Hypothalamus	Compression	Mild
		Hydrocephalus	Mild
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Mammary Gland		Hyperplasia	Mild
		[Hyperplasia TGLS = 1,2-14+15]	
* Nose	Goblet Cell	Hyperplasia	Minimal
		Inflammation	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
		[Adenoma TGLS = 3-8]	
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:45

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403703

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403704

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Minimal
* Intestine Large, Colon		Parasite Metazoan	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
		[Adenoma TGLS = 2-8]	
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 1-11]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 14

TRT#: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 0403704

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Marked
* Urinary Bladder	Inflammation	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:45

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403705

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Angiectasis	Moderate
		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Skin	Subcut Tiss	Fibrosarcoma	
Note: The mammary gland mass noted at necropsy was examined microscopically and diagnosed as a dermal neoplasm [Fibrosarcoma TGLS = 2-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:45

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403705

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403706

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Infarct	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
* Preputial Gland		Inflammation	Minimal
* Prostate		Hyperplasia	Mild
		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:45

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 16

TRT#: 1

DOSE: 0 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 0403706

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403707

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-9]		
* Epididymis		Granuloma Sperm	Mild
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Moderate
	[Leukemia Mononuclear TGLS = 2-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-14]		
* Nose	Goblet Cell	Hyperplasia Inflammation	Minimal Mild
* Pancreas	Acinus	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 17	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 0403707

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403708

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain	Hypothalamus	Compression	Moderate
		Hydrocephalus	Minimal
* Eye	Retina	Atrophy	Marked
		Cataract	Moderate
		[Cataract TGLS = 1-10]	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Moderate
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
		[Hepatodiaphragmatic Nodule TGLS = 3-14]	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Minimal
	Duct	Cyst	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:45
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 18	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 0403708

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-8]			
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403709

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	[Adenoma TGLS = 2-8]		
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Minimal
		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 19

TRT#: 1

DOSE: 0 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 0403709

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403710

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign Leukemia Mononuclear	Mild
* Bone Marrow			
* Eye			
Note: Both optic nerves were missing			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus Clear Cell Focus Fibrosis	Minimal
	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
* Lung	Alveolar Epith	Hyperplasia Inflammation Leukemia Mononuclear	Minimal Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 20	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 0403710

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Carcinoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403711

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung		Inflammation	Minimal
* Mammary Gland		Adenoma	
[Adenoma TGLS = 4-15]			
* Pituitary Gland	Pars Intermed	Adenoma	
		Angiectasis	Minimal
[Adenoma TGLS = 2-8]			
* Preputial Gland		Adenoma	
		Inflammation	Minimal
[Adenoma TGLS = 1-14]			
* Prostate		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 21	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 0403711

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 3-11]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403712

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular * Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Angiectasis	Marked
		Hyperplasia	Mild
		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLS = 3-8]		
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Mild
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 22	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 0403712

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Adenoma	
	Inflammation	Moderate

Note: The mammary gland mass described at necropsy was examined microscopically and diagnosed as a preputial gland neoplasm

[Adenoma TGLS = 1-14]

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

[Adenoma TGLS = 2-11]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:46

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 598

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 0403713

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye		Inflammation	Moderate
	Sclera	Metaplasia	Osseous, Minimal
	Retrobulbar	Schwannoma Malignant	

Note: The Harderian gland mass noted at necropsy was examined microscopically and diagnosed as an ocular neoplasm

[Inflammation TGLS = 1-10]

[Schwannoma Malignant TGLS = 3-14]

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Minimal
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
		Angiectasis	Minimal
* Preputial Gland		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 23	TRT#: 1	SEX: Male	DAY ON TEST: 598
	DOSE: 0 PPM	DISP: Moribund Sacrifice	HISTO: 0403713

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Minimal
* Salivary Glands	Submandibul GI	Hyperplasia	Mild
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 2-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Eye Retrobulbar Schwannoma Malignant
CONTRIBUTORY CAUSE OF DEATH	- Skin Keratoacanthoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403714

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Minimal
* Stomach, Glandular		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403714

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403715

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Minimal
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
* Nose	Goblet Cell	Hyperplasia	Minimal
* Pancreas	Duct	Cyst	Minimal
* Preputial Gland		Inflammation	Mild
* Testes	Interstit Cell	Adenoma	
		[Adenoma TGLS = 1-11]	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 25

TRT#: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 0403715

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403716

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Harderian Gland		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Mild
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-14]			
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Minimal
* Prostate		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 26	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 0403716

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 653

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 0403717

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Nose	Globlet Cell	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Minimal
* Skin	Subcut Tiss	Sarcoma	
	[Sarcoma TGLS = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Inflammation	Moderate
		Ulcer	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-11]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403718

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Nose		Inflammation	Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Minimal
		Inflammation	Minimal
* Skin	Subcut Tiss	Lipoma	
Note: The mammary gland mass identified at necropsy was examined microscopically and diagnosed as a dermal neoplasm [Lipoma TGLS = 1-14]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
[Hematopoietic Cell Proliferation TGLS = 3-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 28

TRT#: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 0403718

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-11]

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403719

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
		Leukemia Mononuclear	
[Hyperplasia TGLS = 3-14]			
* Nose	Goblet Cell	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
Note: The mammary gland mass described at necropsy was examined microscopically and diagnosed as a dermal neoplasm			
		[Fibrosarcoma TGLS = 1-15]	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-5]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 29	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 0403719

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 4-11]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:46

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 677

DOSE: 0 PPM

DISP: Natural Death

HISTO: 0403720

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, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Eye	* Harderian Gland	* Lymph Node, Mandibular	* Salivary Glands
-------	-------------------	--------------------------	-------------------

OBSERVATIONS

* Eye			
Note: Both optic nerves were missing			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6+7]			
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Cresols
 CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
 Time Report Requested: 07:02:46
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 31

TRT#: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 731
 HISTO: 0403721

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Mild
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
* Pancreas	Duct	Cyst	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thyroid Gland		Cyst	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 31

TRT#: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 0403721

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 32

TRT#: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 0403722

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart	Atrium	Thrombosis	Moderate
	[Thrombosis TGLS = 6-7]		
* Intestine Large, Rectum		Edema	Moderate
	[Edema TGLS = 12-6]		
* Kidney		Accumulation, Hyaline Droplet	Minimal
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 7-14]		
	[Leukemia Mononuclear TGLS = 3,8,9-6+7+15+16]		
* Lung		Inflammation	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-3+4]		
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:46

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403722

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-14]			
[Leukemia Mononuclear TGLS = 5-15]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-17]			
* Nose	Goblet Cell	Hyperplasia	Minimal
		Inflammation	Minimal
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Cyst	Mild
[Cyst TGLS = 11-8]			
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403723

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Fatty Change	Minimal
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-14]			
* Nose	Goblet Cell	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 33	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 0403723

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach [Leiomyosarcoma TGLS = 3-15]		Leiomyosarcoma	
* Testes [Adenoma TGLS = 1-11]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Moderate
* Thyroid Gland		Cyst	Minimal
	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 690

DOSE: 0 PPM

DISP: Natural Death

HISTO: 0403724

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Moderate
	[Hyperplasia TGLS = 3-6+7]		
* Lung		Inflammation	Moderate
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLS = 4-14]		
* Nose		Inflammation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Skin	Subcut Tiss	Fibroma	

Note: The mammary gland mass described at necropsy was examined microscopically and diagnosed as a dermal neoplasm

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 34	TRT#: 1	SEX: Male	DAY ON TEST: 690
	DOSE: 0 PPM	DISP: Natural Death	HISTO: 0403724

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLS = 1-15]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 2-5]			
* Stomach, Forestomach		Inflammation	Moderate
		Ulcer	Moderate
* Testes	Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH	- Lymph Node, Mesenteric	Lymphoma Malignant
CONTRIBUTORY CAUSE OF DEATH	- Lung	Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 449

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 0403725

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Preputial Gland		Adenoma	
	[Adenoma TGLS = 1-14]		
* Skin		Hyperkeratosis	Mild
	[Hyperkeratosis TGLS = 2-15]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Preputial Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:46

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403726

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 725

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 0403727

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	Moderate
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6+7]		
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Minimal
* Nose		Inflammation	Mild
* Pancreas	Duct	Cyst	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
* Preputial Gland		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-14]		
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 37	TRT#: 1	SEX: Male	DAY ON TEST: 725
	DOSE: 0 PPM	DISP: Moribund Sacrifice	HISTO: 0403727

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-11]			
[Atrophy TGLS = 2-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Ureter		Inflammation	Mild

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Heart Atrium Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 659

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 0403728

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Minimal
	[Leukemia Mononuclear TGLS = 1-6+7]		
* Lung		Inflammation	Minimal
		Leukemia Mononuclear	
* Nose	Respirat Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-11]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 38	TRT#: 1	SEX: Male	DAY ON TEST: 659
	DOSE: 0 PPM	DISP: Moribund Sacrifice	HISTO: 0403728

ORGAN AND ACCOUNTABLE SITE STATUS

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

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403729

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Mild
		Fatty Change	Mild
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 39

TRT#: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 0403729

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:46

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403730

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain	Hypothalamus	Compression	Moderate
		Hydrocephalus	Moderate
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 1-8]			
* Preputial Gland		Inflammation	Minimal
* Prostate		Hyperplasia	Mild
		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 40	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 0403730

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	
	Arteriole	Inflammation	Mild
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 719

DOSE: 0 PPM

DISP: Natural Death

HISTO: 0403731

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Eye			
Note: Both optic nerves were missing			
* Heart		Cardiomyopathy	Moderate
	Myocardium	Mineralization	Moderate
* Liver		Fatty Change	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
* Mammary Gland		Hyperplasia	Mild
* Nose		Inflammation	Moderate
* Parathyroid Gland		Adenoma	
* Prostate		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 41	TRT#: 1	SEX: Male	DAY ON TEST: 719
	DOSE: 0 PPM	DISP: Natural Death	HISTO: 0403731

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 688

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 0403732

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Leukemia Mononuclear	
		Necrosis	Moderate
* Brain		Hydrocephalus	Moderate
		Leukemia Mononuclear	
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney		Leukemia Mononuclear	
* Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-14]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5,6-15+16]		
* Pancreas	Duct	Cyst	Minimal
* Preputial Gland		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-14]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 42	TRT#: 1	SEX: Male	DAY ON TEST: 688
	DOSE: 0 PPM	DISP: Moribund Sacrifice	HISTO: 0403732

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 3-11]	Bilateral, Interstit Cell	Adenoma
* Thymus		Leukemia Mononuclear

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 685

DOSE: 0 PPM

DISP: Natural Death

HISTO: 0403733

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Marked
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
	Centrilobular	Necrosis	Mild
[Necrosis TGLS = 2-6+7]			
* Lung		Inflammation	Minimal
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Mild
* Preputial Gland		Inflammation	Mild
* Spleen		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:46

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 43

TRT#: 1

DOSE: 0 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST: 685

HISTO: 0403733

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403734

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Minimal
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403735

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Urinary Bladder
--------------------------	-------------------

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain	Hypothalamus	Compression	Moderate
		Hydrocephalus	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fatty Change	Mild
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
		[Hyperplasia TGLS = 4-6+7]	
* Lung		Inflammation	Minimal
Mesentery	Fat	Necrosis	Mild
		[Necrosis TGLS = 3,6-14+15]	
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 1-8]	
* Preputial Gland		Adenoma	
		Note: The mammary gland cyst identified at tissue trim was examined microscopically and diagnosed as a preputial gland lesion	
		[Adenoma TGLS = 7-14]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 45	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 0403735

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Hyperplasia	Mild
		Inflammation	Minimal
* Spleen		Atrophy	Minimal
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 5-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403736

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
		Leukemia Mononuclear	
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
[Adenoma TGLS = 2-8]			
* Preputial Gland		Inflammation	Mild
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 46	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 0403736

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 1-11]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 47

TRT#: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 0403737

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain	Hypothalamus	Compression	Moderate
		Hydrocephalus	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
* Preputial Gland		Inflammation	Minimal
* Prostate		Hyperplasia	Mild
		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:46

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0403737

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:46

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 702

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 0403738

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 702

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 0403738

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 667

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 0403739

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney		Necrosis	Moderate
		Nephropathy	Minimal
[Necrosis TGLS = 6,7-5]			
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-6+7]			
* Lung		Leukemia Mononuclear	
* Nose	Goblet Cell	Hyperplasia	Minimal
		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
	Duct	Cyst	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 49	TRT#: 1	SEX: Male	DAY ON TEST: 667
	DOSE: 0 PPM	DISP: Moribund Sacrifice	HISTO: 0403739

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Mild
* Preputial Gland		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-14,2,3-15+16]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 8-11]		
* Thymus		Atrophy	Marked
		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 665

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 0403740

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Brain	Hypothalamus	Compression	Moderate
		Hydrocephalus	Moderate
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Mild
	Duct	Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	[Adenoma TGLS = 1-8]		
* Preputial Gland		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 50

TRT#: 1
DOSE: 0 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 665
HISTO: 0403740

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 51

TRT#: 2

SEX: Male

DAY ON TEST: 731

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403741

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fibrosis	Mild
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Sarcoma	
	[Leukemia Mononuclear TGLS = 3-6+7]		
	[Sarcoma TGLS = 4-14]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Mild
* Nose	Goblet Cell	Hyperplasia	Minimal
* Pancreas			
	Note: There is ectopic hepatic tissue in the pancreas		
* Preputial Gland		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 51	TRT#: 2	SEX: Male	DAY ON TEST: 731
	DOSE: 1500 PPM	DISP: Terminal Sacrifice	HISTO: 0403741

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-11]

* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 52

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Minimal
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thyroid Gland	Bilateral, C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 52

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403742

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 53

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403743

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Cyst	Mild
		Nephropathy	Minimal
[Cyst TGLS = 3-15]			
* Liver		Angiectasis	Minimal
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Fatty Change	Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-14]			
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Pancreas	Duct	Cyst	Mild
* Preputial Gland		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 53	TRT#: 2	SEX: Male	DAY ON TEST: 729
	DOSE: 1500 PPM	DISP: Terminal Sacrifice	HISTO: 0403743

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 1-11]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 54

TRT#: 2

SEX: Male

DAY ON TEST: 725

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO: 0403744

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Lipoma	
		Nephropathy	Mild
[Lipoma TGLS = 7-14]			
* Liver	Bile Duct	Cyst	Minimal
	Centrilobular	Degeneration	Mild
		Fatty Change	Mild
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6+7]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Note: The mesenteric nodules noted at necropsy were examined and diagnosed as mononuclear cell leukemia of the mesenteric lymph nodes			
		[Leukemia Mononuclear TGLS = 4-15]	
* Mammary Gland		Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 54	TRT#: 2	SEX: Male	DAY ON TEST: 725
	DOSE: 1500 PPM	DISP: Moribund Sacrifice	HISTO: 0403744

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Leukemia Mononuclear TGLS = 6-8]	Duct	Cyst Leukemia Mononuclear	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Minimal
		Inflammation	Minimal
* Spleen [Leukemia Mononuclear TGLS = 3-5]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 2-11] [Atrophy TGLS = 1-11]	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 55

TRT#: 2

SEX: Male

DAY ON TEST: 731

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403745

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Mild
* Preputial Gland		Inflammation	Mild
* Seminal Vesicle		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 55

TRT#: 2

SEX: Male

DAY ON TEST: 731

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403745

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 56

TRT#: 2

SEX: Male

DAY ON TEST: 731

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403746

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain	Hypothalamus	Compression	Moderate
		Hydrocephalus	Mild
* Eye	Retina	Atrophy	Minimal
	Sclera	Metaplasia	Osseous, Mild
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
Lymph Node	Pancreatic	Lymphoma Malignant	
		Note: The pancreatic masses described at necropsy were examined microscopically and diagnosed as pancreatic lymph node neoplasms [Lymphoma Malignant TGLS = 2-14]	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 56	TRT#: 2	SEX: Male	DAY ON TEST: 731
	DOSE: 1500 PPM	DISP: Terminal Sacrifice	HISTO: 0403746

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-8]		Angiectasis	Marked
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 57

TRT#: 2

SEX: Male

DAY ON TEST: 701

DOSE: 1500 PPM

DISP: Natural Death

HISTO: 0403747

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Necrosis	Moderate
* Liver		Leukemia Mononuclear	
		Necrosis	Moderate
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-14]	
* Nose	Respirat Epith	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-5]	
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 2-11]	
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 58

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403748

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, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Mild
* Harderian Gland		Cyst	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Minimal
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Minimal
		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 58

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403748

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 59

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403749

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Minimal
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
[Hyperplasia TGLS = 4-6+7]			
* Lung		Inflammation	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-14]			
* Nose	Goblet Cell	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Cyst	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 3-5]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 59	TRT#: 2	SEX: Male	DAY ON TEST: 730
	DOSE: 1500 PPM	DISP: Terminal Sacrifice	HISTO: 0403749

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 1-11]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 60

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403750

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 61

TRT#: 2

SEX: Male

DAY ON TEST: 731

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403751

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Islets, Pancreatic
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Carcinoma	
[Carcinoma TGLS = 7-8]			
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Mild
		Leukemia Mononuclear	
		Regeneration	Moderate
[Leukemia Mononuclear TGLS = 5-6+7]			
[Regeneration TGLS = 8-6+7]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-16]			
Mesentery		Accessory Spleen	
	Fat	Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 61	TRT#: 2	SEX: Male	DAY ON TEST: 731
	DOSE: 1500 PPM	DISP: Terminal Sacrifice	HISTO: 0403751

ORGAN AND ACCOUNTABLE SITE STATUS

[Accessory Spleen TGLS = 3-14]			
[Necrosis TGLS = 6-14]			
* Nose	Goblet Cell	Hyperplasia Inflammation	Mild Mild
* Preputial Gland		Hyperplasia	Mild
* Skin	Subcut Tiss	Necrosis	Mild
[Necrosis TGLS = 1-14]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-15]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 4-11]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Cresols
 CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
 Time Report Requested: 07:02:46
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 62

TRT#: 2

SEX: Male

DAY ON TEST: 639

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO: 0403752

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	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Trachea

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Epididymis		Granuloma Sperm	Minimal
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
		Degeneration	Cystic, Minimal
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 5-14]		
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Note: The enlarged axillary lymph node seen at necropsy was examined microscopically, and findings were coded to "deep cervical lymph node."		
	[Leukemia Mononuclear TGLS = 7,8-17+18]		
	[Leukemia Mononuclear TGLS = 2-15]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:46

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 62

TRT#: 2

SEX: Male

DAY ON TEST: 639

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO: 0403752

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-16]

* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas	Acinus	Atrophy	Mild
		Leukemia Mononuclear	

[Atrophy TGLS = 3-6]

* Preputial Gland		Inflammation	Mild
* Prostate		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	

[Leukemia Mononuclear TGLS = 1-14]

* Stomach, Forestomach		Leukemia Mononuclear	
		Ulcer	Moderate
* Stomach, Glandular		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 4-11]

* Thymus		Leukemia Mononuclear	
----------	--	----------------------	--

[Leukemia Mononuclear TGLS = 9-3]

* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 63

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403753

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
	Choroid	Inflammation	Moderate
	[Cataract TGLS = 1-10]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Regeneration	Moderate
	[Eosinophilic Focus TGLS = 7-6]		
	[Leukemia Mononuclear TGLS = 6-6+7]		
	[Regeneration TGLS = 8-14]		
* Lung		Inflammation	Minimal
		Leukemia Mononuclear	
* Nose	Globet Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 63	TRT#: 2	SEX: Male	DAY ON TEST: 730
	DOSE: 1500 PPM	DISP: Terminal Sacrifice	HISTO: 0403753

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Respirat Epith	Hyperplasia	Minimal
* Preputial Gland	Duct	Cyst	Minimal
* Prostate		Inflammation	Mild
* Spleen		Inflammation	Mild
[Leukemia Mononuclear TGLS = 4,5-14]		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 2-15]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:46

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 64

TRT#: 2

SEX: Male

DAY ON TEST: 528

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO: 0403754

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Leukemia Mononuclear	
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
		Degeneration	Cystic, Minimal
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6+7]		
* Lung		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 4-15]		
* Nose		Inflammation	Mild
* Preputial Gland		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-14]		
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 64	TRT#: 2	SEX: Male	DAY ON TEST: 528
	DOSE: 1500 PPM	DISP: Moribund Sacrifice	HISTO: 0403754

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-11]

* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 65

TRT#: 2

SEX: Male

DAY ON TEST: 697

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO: 0403755

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Leukemia Mononuclear	
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
[Leukemia Mononuclear TGLS = 4-14]			
* Liver		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6+7]			
* Lung		Inflammation	Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2,6,7-15+16+17]			
* Nose	Respirat Epith	Hyperplasia	Minimal
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Minimal
		Inflammation	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 65	TRT#: 2	SEX: Male	DAY ON TEST: 697
	DOSE: 1500 PPM	DISP: Moribund Sacrifice	HISTO: 0403755

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 1-5]		Leukemia Mononuclear
* Testes [Adenoma TGLS = 3-11]	Interstit Cell	Adenoma
* Thymus		Leukemia Mononuclear
* Urinary Bladder		Leukemia Mononuclear

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 66

TRT#: 2

SEX: Male

DAY ON TEST: 731

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403756

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Eye	Optic Nerve	Atrophy	Moderate
	Retina	Atrophy	Moderate
		Cataract	Moderate
	[Cataract TGLS = 1-10]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Mammary Gland		Hyperplasia	Mild
* Nose	Goblet Cell	Hyperplasia	Minimal
		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	[Adenoma TGLS = 4-8]		
* Preputial Gland		Inflammation	Minimal
* Prostate		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 66	TRT#: 2	SEX: Male	DAY ON TEST: 731
	DOSE: 1500 PPM	DISP: Terminal Sacrifice	HISTO: 0403756

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Inflammation	Minimal
* Testes	Interstit Cell	Hematopoietic Cell Proliferation	Minimal
[Adenoma TGLS = 2-11]		Adenoma	
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 67

TRT#: 2

SEX: Male

DAY ON TEST: 253

DOSE: 1500 PPM

DISP: Natural Death

HISTO: 0403757

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain	Hypothalamus	Compression Hydrocephalus	Moderate Mild
* Eye			
Note: Both optic nerves were missing			
* Heart		Cardiomyopathy	Minimal
* Liver		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
[Adenoma TGLS = 2-8]			
* Preputial Gland		Inflammation	Mild
* Skin		Hyperkeratosis	Minimal
[Hyperkeratosis TGLS = 1-14]			
* Spleen		Atrophy	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 68

TRT#: 2

SEX: Male

DAY ON TEST: 731

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403758

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Minimal
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 4-14]		
* Nose	Goblet Cell	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-5]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thymus		Atrophy	Moderate
Tongue			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:46

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 68

TRT#: 2

SEX: Male

DAY ON TEST: 731

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403758

ORGAN AND ACCOUNTABLE SITE STATUS

Note: No corresponding microscopic finding for 2 x 2 x 1 mm nodule seen on the tongue at necropsy

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 69

TRT#: 2

SEX: Male

DAY ON TEST: 667

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO: 0403759

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Minimal
		Osteosarcoma	Metastatic (Skin)
			[Osteosarcoma TGLS = 3-4+14]
* Nose	Goblet Cell	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Mild
	Duct	Cyst	Minimal
	Artery	Inflammation	Mild
* Preputial Gland		Inflammation	Minimal
* Skin	Subcut Tiss	Osteosarcoma	
			Note: The mammary gland mass described at necropsy was examined and diagnosed as a dermal neoplasm
			[Osteosarcoma TGLS = 1-15]
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:46

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 69

TRT#: 2

SEX: Male

DAY ON TEST: 667

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO: 0403759

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2-11]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Minimal

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Osteosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 70

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403760

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Minimal
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6+7]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-14]			
* Mammary Gland		Hyperplasia	Mild
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 70	TRT#: 2	SEX: Male	DAY ON TEST: 729
	DOSE: 1500 PPM	DISP: Terminal Sacrifice	HISTO: 0403760

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 3-5]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 4-11]	Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 71

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Brain	Hypothalamus	Compression	Marked
		Hydrocephalus	Moderate
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
		[Hyperplasia TGLS = 2-14]	
* Mammary Gland		Hyperplasia	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
	Duct	Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
		[Adenoma TGLS = 3-8]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 71	TRT#: 2	SEX: Male	DAY ON TEST: 730
	DOSE: 1500 PPM	DISP: Terminal Sacrifice	HISTO: 0403761

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 72

TRT#: 2

SEX: Male

DAY ON TEST: 653

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO: 0403762

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
		Leukemia Mononuclear	
* Lung		Inflammation	Minimal
		Metaplasia	Osseous, Minimal
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Minimal
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 72	TRT#: 2	SEX: Male	DAY ON TEST: 653
	DOSE: 1500 PPM	DISP: Moribund Sacrifice	HISTO: 0403762

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Atrophy TGLS = 2-14]	Hair Follicle	Atrophy	Moderate
* Spleen [Leukemia Mononuclear TGLS = 3-5]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 1-11]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 73

TRT#: 2

SEX: Male

DAY ON TEST: 731

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403763

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Mild
* Nose	Goblet Cell	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 73

TRT#: 2

SEX: Male

DAY ON TEST: 731

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403763

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 74

TRT#: 2

SEX: Male

DAY ON TEST: 674

DOSE: 1500 PPM

DISP: Natural Death

HISTO: 0403764

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain		Oligodendroglioma Malignant	
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
* Mammary Gland		Hyperplasia	Mild
* Nose	Goblet Cell	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Mild
		Inflammation	Mild
* Spleen		Atrophy	Moderate
* Stomach, Forestomach		Inflammation	Moderate
		Ulcer	Moderate
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:46

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 74

TRT#: 2

SEX: Male

DAY ON TEST: 674

DOSE: 1500 PPM

DISP: Natural Death

HISTO: 0403764

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Brain Oligodendroglioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 75

TRT#: 2

SEX: Male

DAY ON TEST: 579

DOSE: 1500 PPM

DISP: Natural Death

HISTO: 0403765

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
	Myocardium	Fibrosis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6+15]		
* Lung		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Mild
		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-11]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:46

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 76

TRT#: 2

SEX: Male

DAY ON TEST: 731

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403766

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung		Leukemia Mononuclear	
* Nose	Goblet Cell	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-11]		
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 77

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403767

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Minimal
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Mammary Gland		Hyperplasia	Mild
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Mild
	Duct	Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Minimal
* Prostate		Hyperplasia	Mild
		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 77	TRT#: 2	SEX: Male	DAY ON TEST: 730
	DOSE: 1500 PPM	DISP: Terminal Sacrifice	HISTO: 0403767

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 78

TRT#: 2

SEX: Male

DAY ON TEST: 731

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403768

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Minimal
* Harderian Gland		Inflammation	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Mild
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Minimal
		Inflammation	Minimal
* Skin		Keratoacanthoma	
Note: The mammary gland mass identified at tissue trim was examined microscopically and diagnosed as a dermal neoplasm [Keratoacanthoma TGLS = 2-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 78	TRT#: 2	SEX: Male	DAY ON TEST: 731
	DOSE: 1500 PPM	DISP: Terminal Sacrifice	HISTO: 0403768

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:46

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 79

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403769

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Infiltration Cellular	Lymphoid, Moderate
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Fatty Change	Mild
		Fibrosis	Minimal
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		[Hematopoietic Cell Proliferation TGLS = 2-5]	
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 79	TRT#: 2	SEX: Male	DAY ON TEST: 729
	DOSE: 1500 PPM	DISP: Terminal Sacrifice	HISTO: 0403769

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 80

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403770

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Cyst	Moderate
		Nephropathy	Minimal
[Cyst TGLS = 3,4-5]			
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Fatty Change	Minimal
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Hyperplasia	Mild
		Inflammation	Mild
* Prostate		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 80	TRT#: 2	SEX: Male	DAY ON TEST: 730
	DOSE: 1500 PPM	DISP: Terminal Sacrifice	HISTO: 0403770

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Neural Crest Tumor TGLS = 1-14]	Pinna	Inflammation Neural Crest Tumor	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes [Adenoma TGLS = 2-11]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:46

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 81

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403771

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
		Inflammation	Mild
* Preputial Gland		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		[Hematopoietic Cell Proliferation TGLS = 2-5]	
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 1-11]	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 82

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403772

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Mild
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Minimal
		Metaplasia	Osseous, Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
* Preputial Gland		Inflammation	Minimal
* Prostate		Hyperplasia	Minimal
		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 82

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403772

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 83

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403773

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Brain	Hypothalamus	Compression	Mild
		Hydrocephalus	Moderate
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fibrosis	Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 3-6]		
* Lung		Inflammation	Minimal
* Mammary Gland		Hyperplasia	Mild
* Nose	Goblet Cell	Hyperplasia	Minimal
		Inflammation	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 83	TRT#: 2	SEX: Male	DAY ON TEST: 729
	DOSE: 1500 PPM	DISP: Terminal Sacrifice	HISTO: 0403773

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-14]		Angiectasis	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Mild
		Inflammation	Mild
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 84

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403774

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Epididymis		Mesothelioma Malignant	Metastatic (Mesentery)
	[Mesothelioma Malignant TGLS = 2-15]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Minimal
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung		Fibrosis	Mild
Mesentery		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 1-14]		
* Nose	Goblet Cell	Hyperplasia	Minimal
* Pancreas	Duct	Cyst	Mild
* Preputial Gland		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 84	TRT#: 2	SEX: Male	DAY ON TEST: 730
	DOSE: 1500 PPM	DISP: Terminal Sacrifice	HISTO: 0403774

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-11]		Mesothelioma Malignant	Metastatic (Mesentery)
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 85

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403775

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 3-8]			
* Preputial Gland		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-5]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:46

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 86

TRT#: 2

SEX: Male

DAY ON TEST: 648

DOSE: 1500 PPM

DISP: Natural Death

HISTO: 0403776

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Harderian Gland		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Fibrosis	Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 4-16]		
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
* Skin	Subcut Tiss	Fibroma	
	Note: The mammary gland mass noted at necropsy was examined microscopically and diagnosed as a dermal neoplasm		
	[Fibroma TGLS = 2-14]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-11]		
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 86	TRT#: 2	SEX: Male	DAY ON TEST: 648
	DOSE: 1500 PPM	DISP: Natural Death	HISTO: 0403776

ORGAN AND ACCOUNTABLE SITE STATUS

Zymbal's Gland [Carcinoma TGLS = 1-15]	Carcinoma
---	-----------

PRIMARY CAUSE OF DEATH - Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 87

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403777

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Cyst	Minimal
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung		Leukemia Mononuclear	
* Nose	Goblet Cell	Hyperplasia	Minimal
		Inflammation	Minimal
Oral Mucosa		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Mild
	[Adenoma TGLS = 4-8]		
* Preputial Gland		Inflammation	Minimal
* Prostate		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 87	TRT#: 2	SEX: Male	DAY ON TEST: 729
	DOSE: 1500 PPM	DISP: Terminal Sacrifice	HISTO: 0403777

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 1-14]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 2-11]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 88

TRT#: 2

SEX: Male

DAY ON TEST: 731

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403778

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Epididymis		Mesothelioma Malignant	
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Fatty Change	Mild
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Mild
[Hyperplasia TGLS = 5-6+7]			
* Lung		Inflammation	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-15]			
Mesentery		Mesothelioma Malignant	Metastatic (Epididymis)
	Fat	Necrosis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 88	TRT#: 2	SEX: Male	DAY ON TEST: 731
	DOSE: 1500 PPM	DISP: Terminal Sacrifice	HISTO: 0403778

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 3-14]			
* Nose	Goblet Cell	Hyperplasia Inflammation	Minimal Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma Angiectasis	Mild
[Adenoma TGLS = 6-8]			
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia Inflammation	Minimal Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
[Hematopoietic Cell Proliferation TGLS = 4-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 89

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403779

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung		Alveolar/Bronchiolar Carcinoma	
		Inflammation	Minimal
		Leukemia Mononuclear	
	[Alveolar/Bronchiolar Carcinoma TGLS = 4-14]		
* Nose	Goblet Cell	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Mild
	Duct	Cyst	Mild
* Pituitary Gland		Cyst	Mild
	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 89	TRT#: 2	SEX: Male	DAY ON TEST: 729
	DOSE: 1500 PPM	DISP: Terminal Sacrifice	HISTO: 0403779

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 90

TRT#: 2

SEX: Male

DAY ON TEST: 618

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO: 0403780

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Minimal
* Skin		Basal Cell Adenoma	
	[Basal Cell Adenoma TGLS = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 90	TRT#: 2	SEX: Male	DAY ON TEST: 618
	DOSE: 1500 PPM	DISP: Moribund Sacrifice	HISTO: 0403780

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 2-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Skin Basal Cell Adenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Cresols
 CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
 Time Report Requested: 07:02:46
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 91

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403781

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Pancreas	Duct	Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 91

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403781

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 92

TRT#: 2

SEX: Male

DAY ON TEST: 701

DOSE: 1500 PPM

DISP: Natural Death

HISTO: 0403782

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	Moderate
	Ventricle	Thrombosis	Moderate
* Islets, Pancreatic		Carcinoma	
Note: The enlarged mesenteric lymph node noted at tissue trim was examined microscopically and diagnosed as a pancreatic islet neoplasm [Carcinoma TGLS = 5-14]			
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Moderate
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Mild
		Necrosis	Mild
[Degeneration TGLS = 4-6+7]			
* Mammary Gland		Hyperplasia	Minimal
* Nose		Inflammation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 3-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 92	TRT#: 2	SEX: Male	DAY ON TEST: 701
	DOSE: 1500 PPM	DISP: Natural Death	HISTO: 0403782

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Inflammation	Mild
* Prostate	Hyperplasia	Mild
	Inflammation	Mild
* Spleen	Hematopoietic Cell Proliferation	Minimal
[Hematopoietic Cell Proliferation TGLS = 1-5]		
* Testes	Interstit Cell	Adenoma
[Adenoma TGLS = 2-11]		

PRIMARY CAUSE OF DEATH - Heart Atrium Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 93

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403783

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Fatty Change	Minimal
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
* Pancreas	Duct	Cyst	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 93

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403783

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 94

TRT#: 2

SEX: Male

DAY ON TEST: 655

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO: 0403784

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-9]			
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Moderate
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung		Inflammation	Minimal
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Mild
		Inflammation	Mild
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:46

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 94

TRT#: 2

SEX: Male

DAY ON TEST: 655

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO: 0403784

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-14]

* Testes

Interstit Cell

Adenoma

[Adenoma TGLS = 4-11]

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 95

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403785

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, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Eye	Sclera	Metaplasia	Osseous, Mild
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Minimal
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6+7]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 95	TRT#: 2	SEX: Male	DAY ON TEST: 729
	DOSE: 1500 PPM	DISP: Terminal Sacrifice	HISTO: 0403785

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-8]			
* Preputial Gland		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-5]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 96

TRT#: 2

SEX: Male

DAY ON TEST: 731

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403786

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Capsule	Lymphangiectasis	Marked
		Nephropathy	Mild
[Lymphangiectasis TGLS = 2-15]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Minimal
		Fibrosis	Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-14]			
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 4-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 96	TRT#: 2	SEX: Male	DAY ON TEST: 731
	DOSE: 1500 PPM	DISP: Terminal Sacrifice	HISTO: 0403786

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Minimal
* Prostate		Hyperplasia	Minimal
		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 97

TRT#: 2

SEX: Male

DAY ON TEST: 731

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403787

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Eye	Optic Nerve	Atrophy	Moderate
	Retina	Atrophy	Moderate
		Cataract	Moderate
	Sclera	Metaplasia	Osseous, Mild
[Cataract TGLS = 1-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung		Inflammation	Minimal
		Leukemia Mononuclear	
* Nose	Goblet Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 97	TRT#: 2	SEX: Male	DAY ON TEST: 731
	DOSE: 1500 PPM	DISP: Terminal Sacrifice	HISTO: 0403787

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Respirat Epith	Hyperplasia	Minimal
* Prostate		Inflammation	Mild
* Spleen		Hyperplasia	Mild
[Leukemia Mononuclear TGLS = 2-5]		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-11]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 98

TRT#: 2

SEX: Male

DAY ON TEST: 639

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO: 0403788

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-15]			
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 98	TRT#: 2	SEX: Male	DAY ON TEST: 639
	DOSE: 1500 PPM	DISP: Moribund Sacrifice	HISTO: 0403788

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2-11]	Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 99

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403789

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Mild
		Inflammation	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Hyperplasia	Moderate
		Inflammation	Moderate
		[Hyperplasia TGLS = 1-12]	
* Prostate		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 2-11]	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 99

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 0403789

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 100

TRT#: 2

SEX: Male

DAY ON TEST: 645

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO: 0403790

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung		Inflammation	Minimal
		Leukemia Mononuclear	
* Nose	Globet Cell	Hyperplasia	Minimal
* Preputial Gland		Adenoma	
		Inflammation	Mild
	[Adenoma TGLS = 1-14]		
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-11]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Preputial Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:46

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 101

TRT#: 3

SEX: Male

DAY ON TEST: 655

DOSE: 5000 PPM

DISP: Natural Death

HISTO: 0403791

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6+7]	Necrosis	Mild
* Lung		Leukemia Mononuclear	
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
	Vein	Thrombosis	Moderate
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-5]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 101

TRT#: 3
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 655
HISTO: 0403791

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-11]

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 102

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403792

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6+7]		
* Lung	Alveolar Epith	Hyperplasia	Mild
Mesentery		Accessory Spleen	
	Fat	Necrosis	Mild
	[Accessory Spleen TGLS = 4-15]		
	[Necrosis TGLS = 1-15]		
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 102	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 5000 PPM	DISP: Terminal Sacrifice	HISTO: 0403792

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Minimal
	Duct	Cyst	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Minimal
		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Stomach, Glandular	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Cyst	Moderate
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 103

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403793

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Adenoma	
		Inflammation	Mild
		Hyperplasia	Minimal
		Inflammation	Minimal
* Spleen		Fibrosis	Minimal

[Hyperplasia TGLS = 3-8]

[Adenoma TGLS = 1-14]

[Fibrosis TGLS = 4-15]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 103

TRT#: 3
DOSE: 5000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 0403793

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes
[Adenoma TGLS = 2-11]

Bilateral, Interstit Cell

Adenoma

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 104

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403794

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Cyst	Minimal
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Mild
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Interstit Cell	Adenoma	
		[Adenoma TGLS = 1-11]	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 105

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403795

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart		Sarcoma	Metastatic (Mesentery)
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Sarcoma	Metastatic (Mesentery)
* Lung		Sarcoma	Metastatic (Mesentery)
Mesentery		Sarcoma	
[Sarcoma TGLS = 6-16,8-14]			
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Pancreas	Duct	Cyst	Minimal
		Sarcoma	Metastatic (Mesentery)
* Preputial Gland		Inflammation	Mild
* Skin		Trichoepithelioma	
[Trichoepithelioma TGLS = 1-15]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Sarcoma	Metastatic (Mesentery)
[Sarcoma TGLS = 4,5-5+17+18]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 105

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403795

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 7-11]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 106

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403796

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	[Adenoma TGLS = 3-8]		
* Preputial Gland		Inflammation	Mild
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 1-14]		
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 106	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 5000 PPM	DISP: Terminal Sacrifice	HISTO: 0403796

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-11]

* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel C Cell	Adenoma Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 107

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403797

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
		Mixed Cell Focus	
* Nose	Goblet Cell	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Skin		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 1-12]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 107

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403797

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-11]

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 108

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403798

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Fibrosis	Minimal
		Hyperplasia	Moderate
		Inflammation	Minimal
		Tension Lipidosis	
[Tension Lipidosis TGLS = 3-14]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Inflammation	Minimal
[Alveolar/Bronchiolar Adenoma TGLS = 4-3]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-14]			
* Nose	Goblet Cell	Hyperplasia	Mild
		Inflammation	Mild
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 108	TRT#: 3	SEX: Male	DAY ON TEST: 731
	DOSE: 5000 PPM	DISP: Terminal Sacrifice	HISTO: 0403798

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 109

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403799

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-14]			
* Lung		Inflammation	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-14]			
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gl			
Note: No corresponding microscopic finding for grossly observed pituitary gland focus			
* Preputial Gland		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 109	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 5000 PPM	DISP: Terminal Sacrifice	HISTO: 0403799

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 3-11]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 110

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403800

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Leukemia Mononuclear	
* Kidney		Infarct	Moderate
		Leukemia Mononuclear	
		Nephropathy	Minimal
[Infarct TGLS = 7-17]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6+7]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-16]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-18]			
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 110	TRT#: 3	SEX: Male	DAY ON TEST: 731
	DOSE: 5000 PPM	DISP: Terminal Sacrifice	HISTO: 0403800

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Mild
* Skin		Keratoacanthoma	Multiple
	[Keratoacanthoma TGLS = 1,2-14+15]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-16,5-17]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 6-11]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 111

TRT#: 3

SEX: Male

DAY ON TEST: 699

DOSE: 5000 PPM

DISP: Natural Death

HISTO: 0403801

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Mild
* Liver		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Preputial Gland		Inflammation	Mild
* Skin	Subcut Tiss	Fibroma	
Note: The mammary gland mass described at necropsy was examined microscopically and diagnosed as a dermal neoplasm [Fibroma TGLS = 1-14]			
* Spleen		Atrophy	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 112

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Epididymis		Inflammation	Minimal
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 1-14]			
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Angiectasis	Mild
		Cyst	Minimal
	Pars Distalis	Hyperplasia	Marked
* Preputial Gland		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 112	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 5000 PPM	DISP: Terminal Sacrifice	HISTO: 0403802

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2-11]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 113

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403803

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Minimal
	[Hyperplasia TGLS = 2-8]		
* Preputial Gland		Cyst	Moderate
	[Cyst TGLS = 1-12]		
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 113

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403803

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes
[Adenoma TGLS = 3-11]

Bilateral, Interstit Cell

Adenoma

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 114

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403804

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 Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Minimal
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Polyp Adenomatous	
* Kidney	Renal Tubule	Inflammation	Minimal
		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung		Inflammation	Minimal
* Nose	Globet Cell	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 114	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 5000 PPM	DISP: Terminal Sacrifice	HISTO: 0403804

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 1-11]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:46
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 115

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403805

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Minimal
* Preputial Gland		Inflammation	Minimal
* Prostate		Hyperplasia	Minimal
* Skin	Epidermis	Hyperplasia	Moderate
		Inflammation	Moderate
		[Inflammation TGLS = 1-14]	
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 2-11]	
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 115

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403805

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 116

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403806

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 2-14]			
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 116

TRT#: 3
DOSE: 5000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 0403806

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 117

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403807

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Skin		Basal Cell Adenoma	
	[Basal Cell Adenoma TGLS = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
	[Hematopoietic Cell Proliferation TGLS = 2-5]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 117

TRT#: 3
DOSE: 5000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 0403807

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes
[Adenoma TGLS = 3-11]

Interstit Cell

Adenoma

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 118

TRT#: 3

SEX: Male

DAY ON TEST: 610

DOSE: 5000 PPM

DISP: Natural Death

HISTO: 0403808

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-14]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-14]			
* Preputial Gland		Inflammation	Mild
* Spleen		Atrophy	Mild
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 119

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403809

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 119

TRT#: 3
DOSE: 5000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 0403809

ORGAN AND ACCOUNTABLE SITE STATUS

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 120

TRT#: 3

SEX: Male

DAY ON TEST: 639

DOSE: 5000 PPM

DISP: Moribund Sacrifice

HISTO: 0403810

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Mild
		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Fibrosis	Mild
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-14]		
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
	Vein	Thrombosis	Moderate
* Pancreas	Acinus	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 120	TRT#: 3	SEX: Male	DAY ON TEST: 639
	DOSE: 5000 PPM	DISP: Moribund Sacrifice	HISTO: 0403810

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 5-8]	Duct Pars Distalis	Cyst Adenoma	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Spleen [Leukemia Mononuclear TGLS = 1-5]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 2-11]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 121

TRT#: 3

SEX: Male

DAY ON TEST: 685

DOSE: 5000 PPM

DISP: Natural Death

HISTO: 0403811

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Minimal
		Schwannoma Malignant	Metastatic (Skin)
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Schwannoma Malignant	Metastatic (Skin)
	[Schwannoma Malignant TGLS = 2-3+4]		
* Mammary Gland		Hyperplasia	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Mild
* Skin		Cyst Epithelial Inclusion	Marked
	Subcut Tiss	Metaplasia	Osseous, Mild
	Subcut Tiss	Schwannoma Malignant	
	[Schwannoma Malignant TGLS = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:47

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 121

TRT#: 3

SEX: Male

DAY ON TEST: 685

DOSE: 5000 PPM

DISP: Natural Death

HISTO: 0403811

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Lung Schwannoma Malignant Skin

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 122

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403812

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 2-8]			
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 122

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403812

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 123

TRT#: 3

SEX: Male

DAY ON TEST: 534

DOSE: 5000 PPM

DISP: Moribund Sacrifice

HISTO: 0403813

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Minimal
* Preputial Gland		Inflammation	Minimal
* Skin	Subcut Tiss	Fibrosarcoma	

Note: The enlarged axillary lymph node noted at necropsy was examined microscopically and diagnosed as a dermal neoplasm
 [Fibrosarcoma TGLS = 4-14]

* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-5,3-14]	
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 1-11]	
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Cyst	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 123

TRT#: 3

SEX: Male

DAY ON TEST: 534

DOSE: 5000 PPM

DISP: Moribund Sacrifice

HISTO: 0403813

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 124

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403814

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, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Necrosis	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Eye	Sclera	Metaplasia	Osseous, Mild
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Leukemia Mononuclear	
		Necrosis	Moderate
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-6+7]	
* Lung		Leukemia Mononuclear	
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2,3-14]	
* Stomach, Glandular		Ulcer	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 1-11]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 124	TRT#: 3	SEX: Male	DAY ON TEST: 731
	DOSE: 5000 PPM	DISP: Terminal Sacrifice	HISTO: 0403814

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 125

TRT#: 3

SEX: Male

DAY ON TEST: 662

DOSE: 5000 PPM

DISP: Moribund Sacrifice

HISTO: 0403815

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye		Sarcoma	Metastatic (Skin)
[Sarcoma TGLS = 1-10]			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Minimal
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
		Inflammation	Minimal
* Pancreas	Duct	Cyst	Minimal
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Minimal
* Preputial GI			
Note: One preputial gland was missing			
* Prostate		Inflammation	Minimal
* Skin	Subcut Tiss	Sarcoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 125	TRT#: 3	SEX: Male	DAY ON TEST: 662
	DOSE: 5000 PPM	DISP: Moribund Sacrifice	HISTO: 0403815

ORGAN AND ACCOUNTABLE SITE STATUS

[Sarcoma TGLS = 2-1+2]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
[Hematopoietic Cell Proliferation TGLS = 3-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 126

TRT#: 3

SEX: Male

DAY ON TEST: 631

DOSE: 5000 PPM

DISP: Moribund Sacrifice

HISTO: 0403816

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* Harderian Gland	* 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, Glandular	* Trachea	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Minimal
		Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Mild
		[Leukemia Mononuclear TGLS = 5-6+7]	
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-16]	
		[Leukemia Mononuclear TGLS = 3-14]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-17]	
* Nose	Respirat Epith	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 126	TRT#: 3	SEX: Male	DAY ON TEST: 631
	DOSE: 5000 PPM	DISP: Moribund Sacrifice	HISTO: 0403816

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
		Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-8]		
* Preputial Gland		Inflammation	Minimal
		Leukemia Mononuclear	
* Prostate		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-14]		
* Stomach, Forestomach		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 6-11]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-15]		
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 127

TRT#: 3

SEX: Male

DAY ON TEST: 60

DOSE: 5000 PPM

DISP: Moribund Sacrifice

HISTO: 0403817

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Epididymis			
Note: One epididymis was missing			
* Kidney		Hydronephrosis	Marked
[Hydronephrosis TGLS = 4-14]			
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Preputial GI			
Note: One preputial gland was missing			
* Prostate		Atrophy	Mild
		Inflammation	Mild
[Atrophy TGLS = 2-13]			
* Seminal Vesicle		Atrophy	Moderate
[Atrophy TGLS = 1-11]			
* Spleen		Atrophy	Marked
* Testes			
Note: One testis was missing			
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 127

TRT#: 3
DOSE: 5000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 60
HISTO: 0403817

ORGAN AND ACCOUNTABLE SITE STATUS

Ureter
[Cyst TGLS = 3-14]

Cyst

Marked

PRIMARY CAUSE OF DEATH - Kidney Hydronephrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 128

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403818

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Pancreas	Duct	Cyst	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Hyperplasia	Mild
		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Skin	Subcut Tiss	Fibrous Histiocytoma	

Note: The mammary gland mass seen at necropsy was examined microscopically and diagnosed as a dermal neoplasm

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 128	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 5000 PPM	DISP: Terminal Sacrifice	HISTO: 0403818

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrous Histiocytoma TGLS = 2-14]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 129

TRT#: 3

SEX: Male

DAY ON TEST: 19

DOSE: 5000 PPM

DISP: Moribund Sacrifice

HISTO: 0403819

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Pituitary Gland
--------------------------	-------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal

Zymbals GI

Note: This animals cause of death based on microscopic findings was "uncertain," implying only that no microscopic finding obviously caused the death.

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 130

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403820

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Mild
* Epididymis		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Mild
	[Hepatodiaphragmatic Nodule TGLS = 2-14]		
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
		Inflammation	Minimal
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 130	TRT#: 3	SEX: Male	DAY ON TEST: 731
	DOSE: 5000 PPM	DISP: Terminal Sacrifice	HISTO: 0403820

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-11]		Adenoma	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 131

TRT#: 3

SEX: Male

DAY ON TEST: 586

DOSE: 5000 PPM

DISP: Moribund Sacrifice

HISTO: 0403821

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Granuloma Sperm	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Moderate
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Mild
		Lymphoma Malignant	
* Lung		Inflammation	Mild
		Lymphoma Malignant	
* Nose		Inflammation	Minimal
* Pancreas		Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
		[Adenoma TGLS = 2-8]	
* Preputial Gland		Inflammation	Moderate
* Prostate		Hyperplasia	Minimal
		Inflammation	Mild
* Skin	Hair Follicle	Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 131

TRT#: 3

SEX: Male

DAY ON TEST: 586

DOSE: 5000 PPM

DISP: Moribund Sacrifice

HISTO: 0403821

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLS = 1-14]

* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Inflammation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Cyst	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Skin Hair Follicle Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 132

TRT#: 3

SEX: Male

DAY ON TEST: 690

DOSE: 5000 PPM

DISP: Natural Death

HISTO: 0403822

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	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	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain	Hypothalamus	Compression	Marked
		Hydrocephalus	Marked
* Eye	Sclera	Metaplasia	Osseous, Mild
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
	[Nephropathy TGLS = 4-5]		
* Liver		Fatty Change	Mild
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Congestion	Moderate
	[Congestion TGLS = 5-3+4]		
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 2-14]		
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 132	TRT#: 3	SEX: Male	DAY ON TEST: 690
	DOSE: 5000 PPM	DISP: Natural Death	HISTO: 0403822

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-14]		Angiectasis	Marked
* Preputial Gland		Inflammation	Mild
* Prostate		Atrophy	Minimal
		Inflammation	Mild
* Testes	Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 3-8]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 133

TRT#: 3

SEX: Male

DAY ON TEST: 702

DOSE: 5000 PPM

DISP: Moribund Sacrifice

HISTO: 0403823

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Brain	Hypothalamus	Compression	Moderate
		Hydrocephalus	Moderate
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Fatty Change	Minimal
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-14]			
* Nose	Goblet Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 133	TRT#: 3	SEX: Male	DAY ON TEST: 702
	DOSE: 5000 PPM	DISP: Moribund Sacrifice	HISTO: 0403823

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Inflammation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 1-8]			
* Preputial Gland		Hyperplasia	Minimal
		Inflammation	Mild
* Prostate		Hyperplasia	Minimal
		Inflammation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 134

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403824

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Minimal
Note: Both optic nerves were missing			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Centrilobular	Degeneration	Minimal
		Degeneration	Cystic, Minimal
		Fatty Change	Minimal
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
		Inflammation	Minimal
		Metaplasia	Osseous, Minimal
		Metaplasia	Squamous, Mild
[Alveolar/Bronchiolar Carcinoma TGLS = 2-14]			
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 134

TRT#: 3
DOSE: 5000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 0403824

ORGAN AND ACCOUNTABLE SITE STATUS

	Duct	Cyst	Mild
	Acinus	Hyperplasia	Mild
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 135

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403825

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Clear Cell Focus	
	Centrilobular	Degeneration	Minimal
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Fatty Change	Mild
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Mild
* Preputial Gland		Inflammation	Minimal
* Prostate		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-11]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 135

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403825

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 136

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403826

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Mild
* Skin		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-5]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 136

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403826

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Marked
* Thyroid Gland [Carcinoma TGLS = 3-8]	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 137

TRT#: 3

SEX: Male

DAY ON TEST: 569

DOSE: 5000 PPM

DISP: Natural Death

HISTO: 0403827

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Mild
	[Hepatocellular Carcinoma TGLS = 1-14]		
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Minimal
		Inflammation	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes	Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked
* Urinary Bladder		Inflammation	Mild

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 138

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403828

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6+7]		
* Lung		Inflammation	Minimal
		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-14]		
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
* Pancreas	Duct	Cyst	Mild
* Preputial Gland		Inflammation	Mild
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 138	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 5000 PPM	DISP: Terminal Sacrifice	HISTO: 0403828

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-15]			
* Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 5-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-11]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 139

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403829

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Harderian Gland		Atrophy	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Fibrosis	Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 3-14]		
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 139	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 5000 PPM	DISP: Terminal Sacrifice	HISTO: 0403829

ORGAN AND ACCOUNTABLE SITE STATUS

	Artery	Hyperplasia	Moderate
	Artery	Inflammation	Marked
[Hematopoietic Cell Proliferation TGLS = 2-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:47

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 140

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403830

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, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Minimal
* Harderian Gland		Atrophy	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Fibrosis	Mild
		Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland		Cyst	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Minimal
		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-5]	
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 2-11]	
* Thymus		Atrophy	Marked
* Trachea		Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 140

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403830

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 141

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403831

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thymus		Atrophy	Marked
Tongue		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 2-14]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 141

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403831

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 142

TRT#: 3

SEX: Male

DAY ON TEST: 534

DOSE: 5000 PPM

DISP: Moribund Sacrifice

HISTO: 0403832

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain	Hypothalamus	Compression Hydrocephalus Oligodendroglioma Benign	Moderate Marked
	[Oligodendroglioma Benign TGLS = 2-9]		
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia Inflammation	Mild Minimal
* Lung		Inflammation	Minimal
* Nose	Goblet Cell Respirat Epith	Hyperplasia Hyperplasia Inflammation	Minimal Minimal Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma Angiectasis	Moderate
	[Adenoma TGLS = 1-8]		
* Preputial Gland		Inflammation	Minimal
* Prostate		Hyperplasia Inflammation	Mild Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 142	TRT#: 3	SEX: Male	DAY ON TEST: 534
	DOSE: 5000 PPM	DISP: Moribund Sacrifice	HISTO: 0403832

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma	
CONTRIBUTORY CAUSE OF DEATH	- Brain Oligodendroglioma Benign	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 143

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403833

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Fatty Change	Minimal
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
		Leukemia Mononuclear	
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 143

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403833

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-11]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Cresols
 CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
 Time Report Requested: 07:02:47
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 144

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403834

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Mammary Gland		Hyperplasia	Mild
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 1-8]			
* Preputial Gland		Hyperplasia	Mild
		Inflammation	Mild
* Prostate		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:47

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 144

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403834

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin

Subcut Tiss

Fibroma

Note: The mammary gland mass seen at necropsy was examined microscopically and diagnosed as a dermal neoplasm

[Fibroma TGLS = 2-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 145

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403835

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Eye	Sclera	Metaplasia	Osseous, Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Mild
* Nose	Goblet Cell	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Cyst	Mild
		[Cyst TGLS = 5-8]	
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Minimal
		Inflammation	Mild
* Skin	Subcut Tiss	Fibroma	
		Keratoacanthoma	

Note: The mammary gland mass seen at necropsy was examined and diagnosed as a dermal neoplasm

[Fibroma TGLS = 2-15]

[Keratoacanthoma TGLS = 1-14]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 145	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 5000 PPM	DISP: Terminal Sacrifice	HISTO: 0403835

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Hematopoietic Cell Proliferation TGLS = 3-5]		Hematopoietic Cell Proliferation	Minimal
* Testes [Adenoma TGLS = 4-11]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 146

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403836

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Clear Cell Focus	
		Eosinophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
		Inflammation	Mild
* Pancreas	Duct	Cyst	Mild
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 1-8]		
* Preputial Gland		Adenoma	
		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 146	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 5000 PPM	DISP: Terminal Sacrifice	HISTO: 0403836

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-14]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-11]			
* Thymus		Atrophy	Moderate
		Cyst	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 147

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403837

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Brain	Hypothalamus	Compression	Mild
		Hydrocephalus	Mild
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Lung		Inflammation	Minimal
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Minimal
Note: The pancreatic nodule noted at necropsy was examined microscopically and diagnosed as a hyperplastic pancreatic lymph node [Hyperplasia TGLS = 3-14]			
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 147	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 5000 PPM	DISP: Terminal Sacrifice	HISTO: 0403837

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma Angiectasis	Moderate
[Adenoma TGLS = 1-8]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 148

TRT#: 3

SEX: Male

DAY ON TEST: 630

DOSE: 5000 PPM

DISP: Natural Death

HISTO: 0403838

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adren Medulla			
Note: One adrenal gland was missing			
* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Note: One adrenal gland was missing			
* Bone Marrow		Leukemia Mononuclear	
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Minimal
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 148

TRT#: 3
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 630
HISTO: 0403838

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear
* Testes	Bilateral, Interstit Cell	Leukemia Mononuclear
	[Adenoma TGLS = 1-11]	Adenoma
* Thymus		Leukemia Mononuclear
	[Leukemia Mononuclear TGLS = 3-3]	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 149

TRT#: 3

SEX: Male

DAY ON TEST: 599

DOSE: 5000 PPM

DISP: Natural Death

HISTO: 0403839

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Fatty Change	Moderate
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-6+7]	
* Lung		Inflammation	Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-14]	
		[Leukemia Mononuclear TGLS = 6-16]	
		[Leukemia Mononuclear TGLS = 7-15]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-17]	
* Nose	Respirat Epith	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 149	TRT#: 3	SEX: Male	DAY ON TEST: 599
	DOSE: 5000 PPM	DISP: Natural Death	HISTO: 0403839

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
* Preputial Gland		Hyperplasia	Moderate
		Inflammation	Mild
* Prostate		Leukemia Mononuclear	
* Spleen		Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-5]		
* Stomach, Forestomach		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 5-11]		
* Thyroid Gland	Follicular Cel	Cyst	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 150

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 0403840

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Sarcoma	
[Sarcoma TGLS = 3-14]			
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
[Hyperplasia TGLS = 2-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Mild
	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 150	TRT#: 3	SEX: Male	DAY ON TEST: 731
	DOSE: 5000 PPM	DISP: Terminal Sacrifice	HISTO: 0403840

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 151

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403841

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Brain	Hypothalamus	Compression	Moderate
		Hydrocephalus	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Marked
	[Nephropathy TGLS = 2-5]		
* Liver		Angiectasis	Minimal
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	Respirat Epith	Metaplasia	Squamous, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 151	TRT#: 4	SEX: Male	DAY ON TEST: 730
	DOSE: 15000 PPM	DISP: Terminal Sacrifice	HISTO: 0403841

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
* Preputial Gland		Inflammation	Minimal
* Prostate		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 152

TRT#: 4

SEX: Male

DAY ON TEST: 683

DOSE: 15000 PPM

DISP: Natural Death

HISTO: 0403842

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Mammary Gland	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Urinary Bladder		

MISSING

* Esophagus	* Lymph Node, Mandibular	* Parathyroid Gland	* Salivary Glands
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Eye			
Note: One eye was missing			
* Harderian GI			
Note: One Harderian gland was missing			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Renal Tubule	Mineralization	Mild
		Necrosis	Mild
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Fatty Change	Minimal
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Mild
		Necrosis	Mild
* Lung			
Note: The left lung was missing			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 5-15]			
* Nose	Goblet Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 152	TRT#: 4	SEX: Male	DAY ON TEST: 683
	DOSE: 15000 PPM	DISP: Natural Death	HISTO: 0403842

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Respirat Epith Acinus	Hyperplasia Atrophy	Mild Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Spleen		Leiomyoma	
Note: There was no microscopic correlation found for the gross observation (TGL #3) of generally enlarged spleen [Leiomyoma TGLS = 2-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
Tissue NOS		Paraganglioma	
[Paraganglioma TGLS = 4-14]			

PRIMARY CAUSE OF DEATH - Tissue NOS Paraganglioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 153

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403843

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-11]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 153

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403843

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 154

TRT#: 4

SEX: Male

DAY ON TEST: 613

DOSE: 15000 PPM

DISP: Moribund Sacrifice

HISTO: 0403844

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Fibrosis	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Moderate
		Fatty Change	Mild
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6+7]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Mild
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
	Vein	Thrombosis	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
	Pars Intermed	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 154	TRT#: 4	SEX: Male	DAY ON TEST: 613
	DOSE: 15000 PPM	DISP: Moribund Sacrifice	HISTO: 0403844

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-5]			
* Stomach, Glandular		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-11]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 155

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403845

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Moderate
* Liver		Fatty Change	Minimal
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6+7]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas	Acinus	Atrophy	Mild
	Duct	Cyst	Minimal
* Preputial Gland		Inflammation	Minimal
Note: One preputial gland was missing			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 155	TRT#: 4	SEX: Male	DAY ON TEST: 729
	DOSE: 15000 PPM	DISP: Terminal Sacrifice	HISTO: 0403845

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 156

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403846

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Harderian Gland		Atrophy	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Inflammation	Minimal
		Nephropathy	Moderate
* Liver		Angiectasis	Minimal
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Minimal
		Inflammation	Mild
* Skin	Subcut Tiss	Fibroma	

Note: The mammary gland mass described at necropsy was examined and diagnosed as a dermal neoplasm
 [Fibroma TGLS = 1-14]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 156	TRT#: 4	SEX: Male	DAY ON TEST: 730
	DOSE: 15000 PPM	DISP: Terminal Sacrifice	HISTO: 0403846

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach [Squamous Cell Carcinoma TGLS = 3-14]		Squamous Cell Carcinoma	
* Testes [Adenoma TGLS = 2-11]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 157

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403847

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-6+7]	
* Lung		Leukemia Mononuclear	
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Mild
		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-5]	
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 157

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403847

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-11]

* Thymus

Atrophy

Marked

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 158

TRT#: 4

SEX: Male

DAY ON TEST: 731

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403848

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Eye			
Note: Both optic nerves were missing			
* Heart		Cardiomyopathy	Mild
* Kidney		Necrosis	Moderate
		Nephropathy	Moderate
		Angiectasis	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-14]			
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 158	TRT#: 4	SEX: Male	DAY ON TEST: 731
	DOSE: 15000 PPM	DISP: Terminal Sacrifice	HISTO: 0403848

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Respirat Epith	Metaplasia Adenoma Inflammation	Squamous, Mild Minimal
[Adenoma TGLS = 1-15]			
* Spleen		Fibrosis	Minimal
[Fibrosis TGLS = 4-14]			
* Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 5-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 159

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403849

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Inflammation	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Fibrosis	Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 3-14]		
	Mesentery	Fat	Necrosis
			Minimal
	[Necrosis TGLS = 2-14]		
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Squamous, Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 159	TRT#: 4	SEX: Male	DAY ON TEST: 730
	DOSE: 15000 PPM	DISP: Terminal Sacrifice	HISTO: 0403849

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-11]

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 160

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403850

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Squamous, Mild
* Preputial Gland		Inflammation	Minimal
* Prostate		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 160

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403850

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 161

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403851

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney	Renal Tubule	Adenoma	
		Necrosis	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Minimal
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-14]			
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
* Pancreas	Respirat Epith	Metaplasia	Squamous, Minimal
	Acinus	Adenoma	

Note: One of the mesentery fat nodules noted at necropsy (TGL #3) was examined microscopically and diagnosed as a pancreatic neoplasm
 [Adenoma TGLS = 3-15]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 161	TRT#: 4	SEX: Male	DAY ON TEST: 729
	DOSE: 15000 PPM	DISP: Terminal Sacrifice	HISTO: 0403851

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Mild
		Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 162

TRT#: 4

SEX: Male

DAY ON TEST: 731

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403852

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung		Leukemia Mononuclear	
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Pituitary Gland		Cyst	Mild
* Preputial Gland		Inflammation	Minimal
* Prostate		Hyperplasia	Minimal
		Inflammation	Minimal
* Skin		Basal Cell Adenoma	
	[Basal Cell Adenoma TGLS = 4-14]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-15]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 162	TRT#: 4	SEX: Male	DAY ON TEST: 731
	DOSE: 15000 PPM	DISP: Terminal Sacrifice	HISTO: 0403852

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2-11]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 163

TRT#: 4

SEX: Male

DAY ON TEST: 731

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403853

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas	Acinus	Atrophy	Minimal
	Duct	Cyst	Mild
* Preputial Gland		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-11]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 163

TRT#: 4

SEX: Male

DAY ON TEST: 731

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403853

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

* Thyroid Gland

Follicular Cel

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 164

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403854

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 2-14]			
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Minimal
* Prostate		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 164

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403854

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 165

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403855

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Moderate
	[Nephropathy TGLS = 4-5]		
* Liver		Angiectasis	Minimal
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 3-14]		
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Minimal
* Prostate		Hyperplasia	Minimal
		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 165	TRT#: 4	SEX: Male	DAY ON TEST: 729
	DOSE: 15000 PPM	DISP: Terminal Sacrifice	HISTO: 0403855

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle [Hyperplasia TGLS = 2-11]		Hyperplasia	Mild
* Testes [Adenoma TGLS = 1-11]	Interstitial Cell	Adenoma	
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 166

TRT#: 4

SEX: Male

DAY ON TEST: 731

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403856

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, Mesenteric	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
	Sclera	Metaplasia	Osseous, Minimal
[Cataract TGLS = 2-10]			
* Harderian Gland		Atrophy	Minimal
		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Marked
* Liver		Angiectasis	Minimal
		Clear Cell Focus	
		Eosinophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
[Hyperplasia TGLS = 5-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Hyperplasia	Mild
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 166	TRT#: 4	SEX: Male	DAY ON TEST: 731
	DOSE: 15000 PPM	DISP: Terminal Sacrifice	HISTO: 0403856

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Inflammation	Minimal
		Adenoma	
		Angiectasis	Mild
	[Adenoma TGLS = 3-8]		
* Preputial Gland		Inflammation	Minimal
* Prostate		Hyperplasia	Minimal
		Inflammation	Mild
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
	[Hematopoietic Cell Proliferation TGLS = 6-5]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 4-11]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 167

TRT#: 4

SEX: Male

DAY ON TEST: 688

DOSE: 15000 PPM

DISP: Moribund Sacrifice

HISTO: 0403857

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Leukemia Mononuclear	
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Moderate
		Fatty Change	Minimal
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Hepatodiaphragmatic Nodule TGLS = 5-15]	
		[Leukemia Mononuclear TGLS = 4-6+7]	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-14]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-15]	
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 167	TRT#: 4	SEX: Male	DAY ON TEST: 688
	DOSE: 15000 PPM	DISP: Moribund Sacrifice	HISTO: 0403857

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Respirat Epith	Metaplasia	Squamous, Minimal
* Prostate		Inflammation	Mild
* Spleen		Hyperplasia	Mild
[Leukemia Mononuclear TGLS = 1-14]		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 168

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403858

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 3-5]			
* Liver		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6+7]			
* Lung		Leukemia Mononuclear	
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Squamous, Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Mild
		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 168

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403858

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-11]

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 169

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403859

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
[Clear Cell Focus TGLS = 2-14]			
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Pituitary Gland		Cyst	Mild
* Preputial Gland		Inflammation	Minimal
* Prostate		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 169

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403859

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes
[Adenoma TGLS = 1-11]

Bilateral, Interstit Cell

Adenoma

* Thymus

Atrophy

Marked

Ectopic Parathyroid Gland

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 170

TRT#: 4

SEX: Male

DAY ON TEST: 590

DOSE: 15000 PPM

DISP: Moribund Sacrifice

HISTO: 0403860

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Inflammation	Minimal
* Lung		Inflammation	Mild
* Mammary Gland		Hyperplasia	Minimal
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
		Hyperplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Preputial Gland		Adenoma	
Note: The dermal mass described at necropsy was examined microscopically and diagnosed as a preputial gland neoplasm [Adenoma TGLS = 1-14]			
* Prostate		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-11]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Preputial Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 170

TRT#: 4

SEX: Male

DAY ON TEST: 590

DOSE: 15000 PPM

DISP: Moribund Sacrifice

HISTO: 0403860

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 171

TRT#: 4

SEX: Male

DAY ON TEST: 731

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403861

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Inflammation	Minimal
		Nephropathy	Moderate
	[Nephropathy TGLS = 3-5]		
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Minimal
	Respirat Epith	Metaplasia	Squamous, Mild
* Pancreas	Duct	Cyst	Mild
* Preputial Gland		Adenoma	

Note: The mammary gland mass noted at necropsy was examined microscopically and diagnosed as a preputial gland neoplasm

[Adenoma TGLS = 1-14]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 171	TRT#: 4	SEX: Male	DAY ON TEST: 731
	DOSE: 15000 PPM	DISP: Terminal Sacrifice	HISTO: 0403861

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:47

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 172

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403862

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Moderate
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Preputial Gland		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 172

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403862

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 173

TRT#: 4

SEX: Male

DAY ON TEST: 589

DOSE: 15000 PPM

DISP: Moribund Sacrifice

HISTO: 0403863

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
[Hyperplasia TGLS = 2-14]			
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Squamous, Mild
Oral Mucosa		Squamous Cell Carcinoma	
Note: The nasal mass described at tissue trim was examined and diagnosed as an oral cavity neoplasm			
[Squamous Cell Carcinoma TGLS = 3-15]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 1-11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 173

TRT#: 4

SEX: Male

DAY ON TEST: 589

DOSE: 15000 PPM

DISP: Moribund Sacrifice

HISTO: 0403863

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Oral Mucosa Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 174

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403864

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
Lymph Node	Mediastinal	Ectasia	Mild
[Ectasia TGLS = 1-14]			
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 174

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403864

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 175

TRT#: 4

SEX: Male

DAY ON TEST: 724

DOSE: 15000 PPM

DISP: Natural Death

HISTO: 0403865

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Epididymis			
Note: One epididymis was missing (cannibalized)			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Inflammation	Minimal
* Skin	Subcut Tiss	Fibroma	

Note: The mammary gland mass described at necropsy was examined microscopically and diagnosed as a dermal neoplasm
 [Fibroma TGLS = 2-14]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 175	TRT#: 4	SEX: Male	DAY ON TEST: 724
	DOSE: 15000 PPM	DISP: Natural Death	HISTO: 0403865

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Interstit Cell	Adenoma	
Note: One testis was missing (cannibalized) [Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 176

TRT#: 4

SEX: Male

DAY ON TEST: 680

DOSE: 15000 PPM

DISP: Natural Death

HISTO: 0403866

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Pancreas	* Spleen

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Minimal
	Centrilobular	Necrosis	Moderate
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Prostate		Inflammation	Minimal
* Seminal Vesicle		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Heart Cardiomyopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 177

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403867

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Marked
	[Nephropathy TGLS = 4-5]		
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-14]		
* Lung		Inflammation	Mild
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 177	TRT#: 4	SEX: Male	DAY ON TEST: 730
	DOSE: 15000 PPM	DISP: Terminal Sacrifice	HISTO: 0403867

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 2-5]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 1-11]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Cresols
 CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
 Time Report Requested: 07:02:47
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 178

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403868

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone	Joint	Inflammation	Mild
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Clear Cell Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 178

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403868

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 179

TRT#: 4

SEX: Male

DAY ON TEST: 639

DOSE: 15000 PPM

DISP: Moribund Sacrifice

HISTO: 0403869

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
	[Hepatocellular Adenoma TGLS = 3-14]		
* Lung		Inflammation	Minimal
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 2-14]		
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 179	TRT#: 4	SEX: Male	DAY ON TEST: 639
	DOSE: 15000 PPM	DISP: Moribund Sacrifice	HISTO: 0403869

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked
Zymbal's Gland		Carcinoma	

Note: The dermal mass noted at necropsy was examined microscopically and diagnosed as a Zymbals gland neoplasm

[Carcinoma TGLS = 1-15]

PRIMARY CAUSE OF DEATH - Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 180

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403870

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain	Hypothalamus	Compression	Moderate
		Hydrocephalus	Moderate
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Mild
		Fatty Change	Minimal
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
	[Hyperplasia TGLS = 4-6+7]		
* Lung		Inflammation	Minimal
		Metaplasia	Osseous, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas	Acinus	Atrophy	Moderate
	Duct	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 180	TRT#: 4	SEX: Male	DAY ON TEST: 730
	DOSE: 15000 PPM	DISP: Terminal Sacrifice	HISTO: 0403870

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 2-8]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Mild
* Skin Note: The mammary gland mass described at necropsy was examined microscopically and diagnosed as a dermal neoplasm [Fibroma TGLS = 3-14]	Subcut Tiss	Fibroma	
* Spleen		Atrophy Infiltration Cellular	Mild Histiocyte, Mild
* Testes [Adenoma TGLS = 1-11]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:47

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 181

TRT#: 4

SEX: Male

DAY ON TEST: 688

DOSE: 15000 PPM

DISP: Moribund Sacrifice

HISTO: 0403871

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Osteosarcoma	
Note: The spinal cord mass noted at tissue trim was examined microscopically and diagnosed as a neoplasm of bone [Osteosarcoma TGLS = 8-17]			
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
		Fatty Change	Mild
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Osteosarcoma	Metastatic (Bone)
[Leukemia Mononuclear TGLS = 3-6+7]			
[Osteosarcoma TGLS = 4,5,6-14+15+16]			
* Lung		Leukemia Mononuclear	
* Nose	Respirat Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 181	TRT#: 4	SEX: Male	DAY ON TEST: 688
	DOSE: 15000 PPM	DISP: Moribund Sacrifice	HISTO: 0403871

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 7-8]			

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Bone Osteosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 182

TRT#: 4

SEX: Male

DAY ON TEST: 299

DOSE: 15000 PPM

DISP: Moribund Sacrifice

HISTO: 0403872

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Inflammation	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Squamous, Mild
* Preputial Gland		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Minimal
Zymbal's Gland		Carcinoma	

[Carcinoma TGLS = 1-14]

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 183

TRT#: 4

SEX: Male

DAY ON TEST: 725

DOSE: 15000 PPM

DISP: Moribund Sacrifice

HISTO: 0403873

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Islets, Pancreatic		Carcinoma	
Note: The abdominal lymph node enlargement noted at necropsy was examined microscopically and diagnosed as a pancreatic islet neoplasm [Carcinoma TGLS = 3-14]			
* Kidney	Transit Epithe	Hyperplasia	Moderate
		Lipoma	
		Nephropathy	Moderate
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Lung		Congestion	Mild
		Inflammation	Minimal
[Congestion TGLS = 4-3+4] [Inflammation TGLS = 5-3]			
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 183	TRT#: 4	SEX: Male	DAY ON TEST: 725
	DOSE: 15000 PPM	DISP: Moribund Sacrifice	HISTO: 0403873

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa	Respirat Epith	Inflammation	Mild
* Pancreas		Metaplasia	Squamous, Minimal
* Preputial Gland		Inflammation	Minimal
* Prostate	Acinus	Atrophy	Minimal
		Inflammation	Mild
		Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Inflammation	Minimal
[Adenoma TGLS = 1,2-11]		Adenoma	
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Islets, Pancreatic Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 184

TRT#: 4

SEX: Male

DAY ON TEST: 731

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403874

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Eye	Sclera	Metaplasia	Osseous, Mild
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
	[Fibrosarcoma TGLS = 1-14]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-11]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:47

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 184

TRT#: 4

SEX: Male

DAY ON TEST: 731

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403874

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 185

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403875

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone	Joint	Inflammation	Minimal
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
	Note: No corresponding microscopic finding for gross observation of pulmonary deformity (depressed area)		
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas	Acinus	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Skin	Subcut Tiss	Schwannoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 185	TRT#: 4	SEX: Male	DAY ON TEST: 729
	DOSE: 15000 PPM	DISP: Terminal Sacrifice	HISTO: 0403875

ORGAN AND ACCOUNTABLE SITE STATUS

[Schwannoma Malignant TGLS = 1-14]			
* Testes	Bilateral, Interstit Cell Tunic	Adenoma Mesothelioma Malignant	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:47

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 186

TRT#: 4

SEX: Male

DAY ON TEST: 625

DOSE: 15000 PPM

DISP: Natural Death

HISTO: 0403876

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye			
Note: Both optic nerves were missing			
* Nose		Inflammation	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Stomach, Forestomach Squamous Cell Papilloma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 187

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403877

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Angiectasis	Minimal
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
	[Hyperplasia TGLS = 2-6+7]		
* Lung		Inflammation	Moderate
Lymph Node	Pancreatic	Pigmentation	Hemosiderin, Mild
	Note: The mesentery fat nodule described at necropsy was examined microscopically and found to be a pigmented pancreatic lymph node		
	[Pigmentation TGLS = 4-14]		
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 187

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403877

ORGAN AND ACCOUNTABLE SITE STATUS

		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Carcinoma	
[Carcinoma TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 188

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403878

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Epididymis		Inflammation	Mild
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas	Duct	Cyst	Minimal
	Acinus	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 188	TRT#: 4	SEX: Male	DAY ON TEST: 729
	DOSE: 15000 PPM	DISP: Terminal Sacrifice	HISTO: 0403878

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 1-11]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 189

TRT#: 4

SEX: Male

DAY ON TEST: 731

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403879

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Clear Cell Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Pancreas	Acinus	Hyperplasia	Minimal
* Pituitary Gland		Cyst	Mild
* Preputial Gland		Inflammation	Mild
* Skin	Subcut Tiss	Fibrosarcoma	
Note: The mammary gland mass noted at necropsy was examined microscopically and diagnosed as a dermal neoplasm [Fibrosarcoma TGLS = 1-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 190

TRT#: 4

SEX: Male

DAY ON TEST: 422

DOSE: 15000 PPM

DISP: Moribund Sacrifice

HISTO: 0403880

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain	Hypothalamus	Compression	Moderate
		Hydrocephalus	Moderate
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Mammary Gland		Hyperplasia	Mild
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	[Adenoma TGLS = 1-8]		
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Minimal
		Inflammation	Mild
* Stomach, Forestomach		Inflammation	Moderate
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:47

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 190

TRT#: 4

SEX: Male

DAY ON TEST: 422

DOSE: 15000 PPM

DISP: Moribund Sacrifice

HISTO: 0403880

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 191

TRT#: 4

SEX: Male

DAY ON TEST: 725

DOSE: 15000 PPM

DISP: Moribund Sacrifice

HISTO: 0403881

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone	Joint	Inflammation	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Fibrosis	Minimal
		Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6+7]		
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Mild
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas	Duct	Cyst	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	[Adenoma TGLS = 4-8]		
* Preputial Gland		Inflammation	Mild
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 191	TRT#: 4	SEX: Male	DAY ON TEST: 725
	DOSE: 15000 PPM	DISP: Moribund Sacrifice	HISTO: 0403881

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 192

TRT#: 4

SEX: Male

DAY ON TEST: 576

DOSE: 15000 PPM

DISP: Natural Death

HISTO: 0403882

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Seminal Vesicle
* Skin	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adren Medulla			
Note: One adrenal gland was missing			
* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
Note: One adrenal gland was missing			
* Bone Marrow		Lymphoma Malignant	
* Esophagus		Lymphoma Malignant	
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Minimal
		Lymphoma Malignant	
* Intestine Large, Colon		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
		Nephropathy	Minimal
* Liver		Fibrosis	Minimal
		Lymphoma Malignant	
* Lung		Inflammation	Mild
		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas		Lymphoma Malignant	
* Preputial Gland		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 192

TRT#: 4

SEX: Male

DAY ON TEST: 576

DOSE: 15000 PPM

DISP: Natural Death

HISTO: 0403882

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Lymphoma Malignant
* Salivary Glands		Lymphoma Malignant
* Spleen		Lymphoma Malignant
[Lymphoma Malignant TGLS = 1-5]		
* Stomach, Forestomach		Lymphoma Malignant
* Stomach, Glandular		Lymphoma Malignant
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 2-11]		
* Thymus		Lymphoma Malignant
* Thyroid Gland		Lymphoma Malignant

PRIMARY CAUSE OF DEATH

- Spleen Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 193

TRT#: 4

SEX: Male

DAY ON TEST: 731

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403883

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Hyperostosis	Mild
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Fibrosis	Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 2,3-14+15]		
* Lung		Alveolar/Bronchiolar Adenoma	
Mesentery		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 4-14]		
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Mild
	Respirat Epith	Metaplasia	Squamous, Moderate
* Pancreas	Acinus	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 193	TRT#: 4	SEX: Male	DAY ON TEST: 731
	DOSE: 15000 PPM	DISP: Terminal Sacrifice	HISTO: 0403883

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Minimal
* Prostate		Mesothelioma Malignant	Metastatic (Epididymis)
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
	[Adenoma TGLS = 1-11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 194

TRT#: 4

SEX: Male

DAY ON TEST: 667

DOSE: 15000 PPM

DISP: Moribund Sacrifice

HISTO: 0403884

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Lymphoma Malignant	
* Bone Marrow		Lymphoma Malignant	
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Lymphoma Malignant	
		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Moderate
		Fatty Change	Mild
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Lymphoma Malignant	
* Lung		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 4-15]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-14]			
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
		Lymphoma Malignant	
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas	Duct	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 194	TRT#: 4	SEX: Male	DAY ON TEST: 667
	DOSE: 15000 PPM	DISP: Moribund Sacrifice	HISTO: 0403884

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Mild
* Skin		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 1-5]			
* Stomach, Forestomach		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Moderate
		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 195

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403885

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Mild
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	Respirat Epith	Metaplasia	Squamous, Mild
* Preputial Gland		Inflammation	Mild
* Skin		Keratoacanthoma	
		[Keratoacanthoma TGLS = 2-14]	
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 1-11]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 195

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403885

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 196

TRT#: 4

SEX: Male

DAY ON TEST: 586

DOSE: 15000 PPM

DISP: Moribund Sacrifice

HISTO: 0403886

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Lung		Inflammation	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-14]			
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Minimal
* Prostate		Hyperplasia	Mild
* Salivary Glands		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 2-15]			
* Skin	Subcut Tiss	Schwannoma Benign	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols

CAS Number: 1319-77-3

Date Report Requested: 10/20/2014

Time Report Requested: 07:02:47

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 196

TRT#: 4

SEX: Male

DAY ON TEST: 586

DOSE: 15000 PPM

DISP: Moribund Sacrifice

HISTO: 0403886

ORGAN AND ACCOUNTABLE SITE STATUS

[Schwannoma Benign TGLS = 1-14]

* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

[Adenoma TGLS = 3-11]

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

PRIMARY CAUSE OF DEATH - Salivary Glands Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 197

TRT#: 4

SEX: Male

DAY ON TEST: 667

DOSE: 15000 PPM

DISP: Moribund Sacrifice

HISTO: 0403887

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Pancreas
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Leukemia Mononuclear	
		Necrosis	Moderate
		Nephropathy	Mild
* Liver		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
	[Leukemia Mononuclear TGLS = 3,4-6+7]		
* Lung		Leukemia Mononuclear	
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
	Vein	Thrombosis	Minimal
* Parathyroid Gland		Adenoma	
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 197	TRT#: 4	SEX: Male	DAY ON TEST: 667
	DOSE: 15000 PPM	DISP: Moribund Sacrifice	HISTO: 0403887

ORGAN AND ACCOUNTABLE SITE STATUS

	Inflammation	Mild
Note: The mammary gland mass described at necropsy was examined microscopically and diagnosed as a preputial gland neoplasm [Adenoma TGLS = 1-14]		
* Prostate	Hyperplasia	Mild
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]		
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 5-11]		
* Thyroid Gland	C Cell	Adenoma

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 198

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403888

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
* Pituitary Gland		Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Minimal
* Prostate		Hyperplasia	Mild
		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-11]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 198

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403888

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 199

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 15000 PPM

DISP: Terminal Sacrifice

HISTO: 0403889

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Moderate
* Liver		Angiectasis	Minimal
		Eosinophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Mild
[Hyperplasia TGLS = 3-6+7]			
* Lung		Inflammation	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Nose	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	Respirat Epith	Metaplasia	Squamous, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 199	TRT#: 4	SEX: Male	DAY ON TEST: 730
	DOSE: 15000 PPM	DISP: Terminal Sacrifice	HISTO: 0403889

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Hematopoietic Cell Proliferation TGLS = 2-5]		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes [Adenoma TGLS = 1-11]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 200

TRT#: 4

SEX: Male

DAY ON TEST: 396

DOSE: 15000 PPM

DISP: Moribund Sacrifice

HISTO: 0403890

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain	Hypothalamus	Compression	Moderate
		Hydrocephalus	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Nose	Goblet Cell	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Squamous, Mild
* Pituitary Gland		Angiectasis	Moderate
	Pars Distalis	Carcinoma	
	[Carcinoma TGLS = 1-8]		
* Preputial Gland		Inflammation	Minimal
* Prostate		Hyperplasia	Minimal
		Inflammation	Mild
* Spleen		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05174-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Cresols
CAS Number: 1319-77-3

Date Report Requested: 10/20/2014
Time Report Requested: 07:02:47
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 200	TRT#: 4	SEX: Male	DAY ON TEST: 396
	DOSE: 15000 PPM	DISP: Moribund Sacrifice	HISTO: 0403890

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Carcinoma	

**** END OF REPORT ****