

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

C Number:	C55403D
Lock Date:	07/13/1993
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	09/20/1995

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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 1	TRT#: 1	SEX: Male	DAY ON TEST: 583
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 9202881

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Necrosis	Minimal
* Lung		Congestion	Acute, Marked
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Prostate		Inflammation	Chronic Active, Moderate
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

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Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 565
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202882

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Rectum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Thymus
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Epididymis		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Heart	Atrium	Thrombosis	Marked
* Intestine Large, Cecum		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Intestine Large, Colon		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Intestine Small, Duodenum		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Intestine Small, Ileum		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Kidney		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
		Nephropathy	Chronic, Mild
* Liver	Centrilobular, Hepatocyte	Degeneration	Fatty, Marked
	Bile Duct	Hyperplasia	Mild
		Necrosis	Minimal
	[Degeneration TGLS = 4-4:Degeneration,fatty,hepatocyte,centrilobular]		
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Note: TGL#6-NCL:Size of Mediastinal lymph nodes considered to be WNL histopathologically. Red color due to erythrocytes in sinusoids.			
* Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
	[Mesothelioma Malignant TGLS = 1-12: Malignant Mesothelioma]		
* Pancreas		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
Peritoneum		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

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Species/Strain: Rat/F 344/N

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Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 2	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 565 HISTO: 9202882
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ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Stomach, Glandular		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia Mesothelioma Malignant	Minimal Metastatic (Uncertain Primary Site)
[Adenoma TGLS = 5-10: Interstitial Cell Adenoma]			
[Hyperplasia TGLS = 5-10: Interstitial Cell Hyperplasia, Minimal]			
[Mesothelioma Malignant TGLS = 3-10: Malignant Mesothelioma]			
* Urinary Bladder		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)

PRIMARY CAUSE OF DEATH - Mesentery Mesothelioma Malignant Uncertain Primary Site

* PROTOCOL REQUIRED TISSUE

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Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 3	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO: 9202883
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Epididymis		Atrophy	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
		Angiectasis	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis, Multiple]		
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]		

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 4	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 658 HISTO: 9202884
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel		Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Epididymis		Atrophy	Moderate
		Mineralization	Moderate
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Moderate
* Kidney		Adenoma	Tubular
		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 5-1: Nephropathy, Chronic, Marked]			
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-13: Mononuclear Cell Leukemia]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Moderate
Mesentery	Fat	Inflammation	Chronic Active, Moderate
		Mineralization	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 4	TRT#: 1	SEX: Male	DAY ON TEST: 658
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202884

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 2-12: Inflammation, Chronic-Active, Moderate]			
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
		Mineralization	Minimal
	Pars Distalis	Pigmentation	Hemosiderin, Mild
[Adenoma TGLS = 7-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Marked
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 4-14: Fibrosis, Moderate]			
[Leukemia Mononuclear TGLS = 3-1: Mononuclear Cell Leukemia]			
* Stomach, Glandular		Mineralization	Moderate
* Testes	Germinal Epith	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Minimal
[Atrophy TGLS = 1-10:Atrophy, Germinal Epithelium, Moderate]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma;Prostate Inflammation;Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 5	TRT#: 1	SEX: Male	DAY ON TEST: 447
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202885

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pituitary Gland		Adenoma	Multiple
		Angiectasis	Mild
	Pars Distalis	Cyst	Minimal
	Pars Nervosa	Cyst	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Skin	SOA, Sebaceous GI	Hyperplasia	Mild
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

Animal Note: CAUSE OF MORBIDITY: PITUITARY GLAND ADENOMAS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Sodium xylenesulfonate
 CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
 Time Report Requested: 20:20:24
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 6	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 567 HISTO: 9202886
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Atrophy	Moderate
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
		Necrosis	Mild
* Lung		Carcinoma	Metastatic (Skin)
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Skin	SOA, Sebaceous GI	Carcinoma	
[Carcinoma TGLS = 1-12: Carcinoma, Sebaceous Gland]			
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
	Interstitial Cell	Hyperplasia	Minimal
[Adenoma TGLS = 3-10: Adenoma, Interstitial Cell]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
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Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 567
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202886

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 2-10: Atrophy, Germinal Epithelium, Moderate]

PRIMARY CAUSE OF DEATH - Skin SOA Sebaceous GI Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 7	TRT#: 1	SEX: Male	DAY ON TEST: 554
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 9202887

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Adrenal Medulla		Pheochromocytoma Benign	
Blood Vessel		Mineralization	Minimal
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Chronic, Mild
		Mineralization	Mild
* Int Sm Ileum			
Note: TGL#6-15-NCL: Section of ileum is autolytic, but otherwise considered to be WNL histopathologically.			
* Intestine Small, Jejunum		Inflammation	Chronic Active, Marked
		Necrosis	Marked
[Necrosis TGLS = 3,5-12+14: Necrosis, Marked]			
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
		Necrosis	Moderate
* Liver			
[Necrosis TGLS = 7-4: Necrosis, Moderate]			
* Lymph Node, Mesenteric		Ectasia	Marked
[Ectasia TGLS = 4-13: Ectasia, Marked]			
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
		Angiectasis	Mild
* Preputial Gland		Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 7	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 554 HISTO: 9202887
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ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Inflammation	Chronic Active, Mild
* Spleen	Hematopoietic Cell Proliferation	Moderate

[Hematopoietic Cell Proliferation TGLS = 2-1: Hematopoietic Cell Proliferation, Moderate]

PRIMARY CAUSE OF DEATH	- Intestine Small, Jejunum Necrosis
CONTRIBUTORY CAUSE OF DEATH	- Liver Necrosis; Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 8	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 441 HISTO: 9202888
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Hydrocephalus	Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
		Pigmentation	Hemosiderin, Minimal
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Brain Hydrocephalus

Animal Note: CAUSE OF MORBIDITY: PITUITARY GLAND ADENOMA.

* PROTOCOL REQUIRED TISSUE

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Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 9	TRT#: 1	SEX: Male	DAY ON TEST: 652
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202889

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel		Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Atrophy	Moderate
Eye	Lens	Cataract	Moderate
	Retina	Degeneration	Marked
	[Cataract TGLS = 1-12: Cataract, Lens, Moderate]		
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Moderate
	Atrium	Thrombosis	Marked
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 6-1: Nephropathy, Chronic, Marked]		
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Mineralization	Moderate
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 9	TRT#: 1	SEX: Male	DAY ON TEST: 652
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202889

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Hyperplasia TGLS = 4-7: Hyperplasia, Cystic, Marked]		Hyperplasia	Cystic, Marked
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
		Mineralization	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 3-10: Inflammation, Chronic-Active, Mild]			
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Mineralization	Moderate
* Stomach, Glandular		Mineralization	Moderate
* Testes	Germinal Epith	Atrophy	Moderate
	Artery	Inflammation	Chronic, Minimal
[Atrophy TGLS = 5-10: Atrophy, Germinal Epithelium, Moderate]			

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 492

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202890

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	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain		Hydrocephalus	Moderate
* Heart		Cardiomyopathy	Chronic, Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
		Pigmentation	Hemosiderin, Mild
[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: CAUSE OF DEATH: PITUITARY GLAND ADENOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 681

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202891

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Testes	Germinal Epith	Atrophy	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202892

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Epididymis		Atrophy	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Cortex	Cyst	Mild
		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 547

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202893

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Kidney		Nephropathy	Chronic, Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4: Mononuclear Cell Leukemia]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Intermed	Cyst	Minimal
	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 13	TRT#: 1	SEX: Male	DAY ON TEST: 547
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202893

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]

* Thyroid Gland	C Cell	Adenoma
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PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 702

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202894

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Epididymis		Atrophy	Marked
		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Intestine Small, Jejunum		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-2+3: Mononuclear Cell Leukemia]		
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Lymph Node, Mandibular		Leukemia Mononuclear	
Mesentery		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
	[Mesothelioma Malignant TGLS = 3-12: Malignant Mesothelioma]		
* Nose		Polyp, Inflammatory	Moderate
* Pancreas	Acinus	Atrophy	Mild
		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 14	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 702 HISTO: 9202894
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]			
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]			
* Thyroid Gland	Bilateral, C Cell	Adenoma	
[Adenoma TGLS = 4-7: Adenoma, C Cell, Bilateral]			
* Urinary Bladder		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)

PRIMARY CAUSE OF DEATH	- Mesentery	Mesothelioma Malignant	Uncertain Primary Site
CONTRIBUTORY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 636

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202895

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	Peripheral Nerve
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Epididymis		Atrophy	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Moderate]		
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 15	TRT#: 1	SEX: Male	DAY ON TEST: 636
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202895

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
Spinal Cord	Axon	Degeneration	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Artery	Inflammation	Chronic, Mild
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]			
* Urinary Bladder	Transit Epithe	Papilloma	

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 616

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202896

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Necrosis	Marked
[Necrosis TGLS = 6-5: Necrosis, Marked]			
* Epididymis		Atrophy	Marked
		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4: Mononuclear Cell Leukemia]		Vacuolization Cytoplasmic	Moderate
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-13: Mononuclear Cell Leukemia]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery		Leukemia Mononuclear	
Peritoneum		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 616

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202896

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
[Adenoma TGLS = 5-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
		Leukemia Mononuclear	
* Seminal Vesicle		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12: Mononuclear Cell Leukemia]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Moderate
		Leukemia Mononuclear	
		Ulcer	Marked
[Inflammation TGLS = 7-6+14: Inflammation, Chronic-Active, Moderate]			
[Ulcer TGLS = 7-6+14: Ulcer, Marked]			
* Testes	Germinal Epith	Atrophy	Marked
		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
[Atrophy TGLS = 3-10: Atrophy, Germinal Epithelium, Marked]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 682

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202897

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Hemorrhage	Acute, Moderate
		Leukemia Mononuclear	
	Lymph Node	Pigmentation	Hemosiderin, Minimal
* Lymph Node, Mandibular	Mediastinal	Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose		Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 17	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 682 HISTO: 9202897
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ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis [Adenoma TGLS = 3-7: Adenoma, Pars Distalis]	Pigmentation	Hemosiderin, Mild
* Preputial Gland [Inflammation TGLS = 4-10: Inflammation, Chronic-Active, Mild]	Inflammation	Chronic Active, Mild
* Prostate	Inflammation	Chronic Active, Moderate
* Spleen [Leukemia Mononuclear TGLS = 1-12: Mononuclear Cell Leukemia]	Leukemia Mononuclear	
* Testes	Germinal Epith Interstitial Cell	Minimal Minimal
* Thyroid Gland	C Cell	Adenoma

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 701

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202898

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Atrophy	Marked
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Marked]		
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Necrosis	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	[Adenoma TGLS = 5-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Marked
	[Inflammation TGLS = 1-10: Inflammation, Chronic-Active, Marked]		
* Prostate		Inflammation	Chronic Active, Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 18	TRT#: 1	SEX: Male	DAY ON TEST: 701
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 9202898

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Chronic Active, Moderate
		Ulcer	Marked
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	Interstit Cell	Hyperplasia	Minimal
	[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell]		
	[Atrophy TGLS = 3-10: Atrophy, Germinal Epithelium, Marked]		

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202899

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
		Angiectasis	Mild
	Pars Distalis	Cyst	Minimal
	Pars Intermed	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 19	TRT#: 1	SEX: Male	DAY ON TEST: 735
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202899

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 1-12: Fibrosis, Moderate]

* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Minimal
	Interstit Cell	Hyperplasia	Minimal
	Artery	Inflammation	Chronic, Mild

[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell]

[Hyperplasia TGLS = 2-10: Hyperplasia, Interstitial Cell, Minimal]

* Thyroid Gland	Follicle	Cyst	Mild
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 645

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202900

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Salivary Glands
* Skin	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel		Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Marked
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Atrophy	Marked
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Cortex	Cyst	Mild
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Marked]		
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Vacuolization Cytoplasmic TGLS = 3-4: Vacuolization, Cytoplasm, Hepatocyte, Moderate]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Interstitial	Inflammation	Chronic Active, Mild
		Mineralization	Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 645

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202900

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
[Adenoma TGLS = 5-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-10: Inflammation, Chronic-Active, Moderate]			
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 6,7-12: Hyperplasia, Epithelium, Mild]			
* Stomach, Glandular		Mineralization	Moderate
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	Interstit Cell	Hyperplasia	Minimal
	Artery	Inflammation	Chronic, Mild
[Atrophy TGLS = 2-10: Atrophy, Germinal Epithelium, Marked]			

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 648

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202901

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Thymus	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Marked
* Brain		Hydrocephalus	Marked
		Mineralization	Mild
	[Hydrocephalus TGLS = 6-5: Hydrocephalus, Marked]		
* Epididymis		Atrophy	Marked
		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Large, Colon		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Intestine Small, Duodenum		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Intestine Small, Ileum		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Intestine Small, Jejunum		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Chronic, Mild
* Liver		Hematopoietic Cell Proliferation	Mild
	Centrilobular, Hepatocyte	Necrosis	Moderate
	[Necrosis TGLS = 4-4:Necrosis,Hepatocellular,Centrilobular,Moderate]		
Lymph Node	Mediastinal	Ectasia	Mild
	Mediastinal	Pigmentation	Hemosiderin, Mild
	[Ectasia TGLS = 5-2: Ectasia, Mild]		
	[Pigmentation TGLS = 5-2: Pigment, Hemosiderin, Mild]		
* Mammary Gland		Hyperplasia	Cystic, Mild
Note: Mammary gland tissue on slide #10			
Mesentery		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 648

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202901

ORGAN AND ACCOUNTABLE SITE STATUS

[Mesothelioma Malignant TGLS = 3-12: Malignant Mesothelioma]

* Pancreas	Acinus	Atrophy Mesothelioma Malignant	Marked Metastatic (Uncertain Primary Site)
Peritoneum		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Pituitary Gland	Pars Distalis Pars Distalis	Adenoma Hyperplasia	Mild Chronic Active, Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 1-10: Inflammation, Chronic-Active, Mild]			
* Prostate		Inflammation Mesothelioma Malignant	Chronic Active, Mild Metastatic (Uncertain Primary Site)
* Seminal Vesicle		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Stomach, Glandular		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Testes	Bilateral, Interstit Cell	Adenoma Mesothelioma Malignant	Metastatic (Uncertain Primary Site) Metastatic (Uncertain Primary Site)
* Urinary Bladder		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)

PRIMARY CAUSE OF DEATH

- Brain Hydrocephalus

CONTRIBUTORY CAUSE OF DEATH

- Liver Centrilobular Hepatocyte Necrosis; Mesentery Mesothelioma Malignant Uncertain Primary Site

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 707

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202902

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLS = 6-7: Pheochromocytoma, Benign]		
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Atrophy	Marked
		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 7-1: Nephropathy, Chronic, Moderate]		
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-4: Mononuclear Cell Leukemia]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Inflammation	Chronic Active, Moderate
		Mineralization	Mild

Note: Pancreatic nodules, observed at necropsy, are foci of chronic-active inflammation, necrosis & mineralization of mesenteric fat histopathologically. TGL:4-13.

[Inflammation TGLS = 4-13: Inflammation, Fat, Chronic-Active, Moderate]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 22	TRT#: 1	SEX: Male	DAY ON TEST: 707
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 9202902

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Adenoma	
		Inflammation	Chronic Active, Mild
[Adenoma TGLS = 1-12: Adenoma]			
* Prostate		Inflammation	Chronic Active, Mild
		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]			
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
[Adenoma TGLS = 3-10, Adenoma, Interstitial Cell, Bilateral]			

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Nephropathy;Preputial Gland	Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 715

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202903

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Minimal
* Brain		Hydrocephalus	Moderate
* Epididymis		Atrophy	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Moderate]		
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Congestion	Acute, Marked
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Cyst	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Adenoma TGLS = 4-12: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
	[Inflammation TGLS = 1-10: Inflammation, Chronic-Active, Mild]		
* Prostate		Inflammation	Chronic Active, Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 23	TRT#: 1	SEX: Male	DAY ON TEST: 715
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202903

ORGAN AND ACCOUNTABLE SITE STATUS

	Inflammation	Chronic Active, Moderate
	Ulcer	Marked
[Hyperplasia TGLS = 5-13: Hyperplasia, Epithelium, Mild]		
[Inflammation TGLS = 5-13: Inflammation, Chronic-Active, Moderate]		
[Ulcer TGLS = 5-13: Ulcer, Marked]		
* Testes	Interstit Cell	Adenoma
	Interstit Cell	Hyperplasia
		Minimal
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell]		
[Hyperplasia TGLS = 2-10: Hyperplasia, Interstitial Cell, Minimal]		

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Brain Hydrocephalus;Kidney Nephropathy;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 595

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202904

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Hydrocephalus	Mild
* Kidney		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Moderate]		
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Cyst	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 1-12: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH - Brain Hydrocephalus;Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202905

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Salivary Glands	* Spleen	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Mineralization	Marked
[Mineralization TGLS = 9-7: Mineralization, Marked]			
* Bone		Fibrous Osteodystrophy	Marked
* Brain		Hydrocephalus	Mild
* Epididymis		Atrophy	Marked
* Heart		Mineralization	Moderate
[Mineralization TGLS = 6-4: Mineralization, Moderate]			
* Kidney	Cortex	Cyst	Moderate
		Nephropathy	Chronic, Marked
[Cyst TGLS = 10-1: Cyst, Cortex, Moderate]			
[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Marked]			
* Liver	Bile Duct	Degeneration	Cystic, Mild
	Hepatocyte	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Moderate
* Lung		Mineralization	Moderate
* Mammary Gland		Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 5-13: Hyperplasia, Cystic, Marked]			
* Parathyroid Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 7-7: Hyperplasia, Marked]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202905

ORGAN AND ACCOUNTABLE SITE STATUS

		Mineralization	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Adenoma TGLS = 8-14: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
		Mineralization	Mild
* Seminal Vesicle		Mineralization	Mild
* Skin	Pinna, Subcut Tiss	Melanoma Malignant	
	[Melanoma Malignant TGLS = 1-12]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Stomach, Glandular		Mineralization	Moderate
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	Interstit Cell	Hyperplasia	Minimal
	[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell]		
	[Atrophy TGLS = 3-10: Atrophy, Germinal Epithelium, Marked]		
	[Hyperplasia TGLS = 2-10: Hyperplasia, Interstitial Cell, Minimal]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Brain Hydrocephalus;Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 712

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202906

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Brain		Hydrocephalus	Mild
* Epididymis		Atrophy	Marked
* Heart	Atrium	Thrombosis	Marked
	[Thrombosis TGLS = 4-4: Thrombosis, Atrium, Marked]		
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Moderate]		
* Liver	Centrilobular, Hepatocyte	Degeneration	Fatty, Marked
		Leukemia Mononuclear	
		Necrosis	Mild
	[Leukemia Mononuclear TGLS = 2-4: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	[Alveolar/Bronchiolar Carcinoma TGLS = 6-3: Alveolar-Bronchiolar Carcinoma]		
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 712

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202906

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa	Gingival	Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Inflammation	Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Atrophy	Minimal
		Adenoma	
	Pars Distalis	Angiectasis	Moderate
[Adenoma TGLS = 5-12: Adenoma, Pars Distalis]		Pigmentation	Hemosiderin, Mild
* Preputial Gland		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]			
* Testes	Germinal Epith	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Brain Hydrocephalus;Kidney Nephropathy;Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 650

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202907

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
Blood Vessel		Mineralization	Marked
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Mild
* Kidney		Mineralization	Moderate
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]		
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Lung		Congestion	Acute, Marked
		Mineralization	Moderate
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis, Multiple]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 27	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 650 HISTO: 9202907
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Lymph Follic	Depletion Cellular Pigmentation	Moderate Hemosiderin, Moderate
* Stomach, Glandular		Mineralization	Moderate
* Urinary Bladder		Mineralization	Mild

[Mineralization TGLS = 3-6: Mineralization, Mild]

PRIMARY CAUSE OF DEATH - Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202908

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Atrophy	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Moderate]			
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
Note: TGL#1-4-NCL			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 3-10: Inflammation, Chronic-Active, Mild]			
* Prostate		Inflammation	Chronic Active, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-12: Adenoma, Interstitial Cell, Bilateral]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 546

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202909

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Mild
* Brain		Carcinoma	Metastatic (Pituitary Gland)
Eye	Antr Chamber	Hemorrhage	Acute, Moderate
	Cornea	Inflammation	Suppurative, Mild
Note: Inflammatory component involves cornea proper, the limbus, and extends around the globe in surrounding connective tissue. [Hemorrhage TGLS = 1-12:Hemorrhage,Acute,Anterior Chamber,Moderate]			
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Angiectasis	Marked
	Pars Distalis	Carcinoma	
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
[Carcinoma TGLS = 2-7: Carcinoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 3-10: Inflammation, Chronic-Active, Mild]			
* Prostate		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 29	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 546 HISTO: 9202909
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ORGAN AND ACCOUNTABLE SITE STATUS

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

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Brain Carcinoma Pituitary Gland;Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 708

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202910

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
* Kidney		Leukemia Mononuclear	
		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Moderate]		
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Moderate
	[Leukemia Mononuclear TGLS = 3-4: Mononuclear Cell Leukemia]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Hemosiderin, Moderate
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 708

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202910

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]

* Stomach, Forestomach

Epithelium

Hyperplasia
Inflammation
Ulcer

Moderate
Chronic Active, Moderate
Marked

[Ulcer TGLS = 6-12: Ulcer, Marked]

* Testes

Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Minimal

* Thyroid Gland

Follicular Cel

Carcinoma

C Cell

Hyperplasia

Mild

[Carcinoma TGLS = 5-7: Carcinoma, Follicular Cell]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy;Pituitary Gland Pars Distalis Adenoma;Stomach;Forestomach Ulcer;Thyroid Gland Follicular Cel Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 560

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202911

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Epididymis		Atrophy	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 6-1: Nephropathy, Chronic, Moderate]		
* Liver		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Inflammation	Chronic Active, Moderate
		Mineralization	Minimal
	[Inflammation TGLS = 5-13: Inflammation, Chronic-Active, Moderate]		
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 31	TRT#: 1	SEX: Male	DAY ON TEST: 560
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202911

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Pigmentation	Hemosiderin, Mild
		Pigmentation	Hematoidin, Mild
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Preputial Gland	Duct	Cyst	Moderate
		Inflammation	Chronic Active, Mild
	[Cyst TGLS = 2-10: Cyst, Duct, Moderate]		
* Prostate		Inflammation	Chronic Active, Marked
	[Inflammation TGLS = 4-10+11: Inflammation, Chronic-Active, Marked]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
		Inflammation	Chronic Active, Moderate
	[Hyperplasia TGLS = 7-12: Hyperplasia, Epithelium, Marked]		
* Testes	Germinal Epith	Atrophy	Marked
	Interstitial Cell	Hyperplasia	Minimal
	[Atrophy TGLS = 3-10: Atrophy, Germinal Epithelium, Marked]		
* Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy;Prostate Inflammation;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 724

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202912

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Degeneration	Fatty, Moderate
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Mineralization	Mild
Note: Blood vessel mineralization on slide #2			
* Bone		Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Atrophy	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney	Cortex	Cyst	Moderate
		Nephropathy	Chronic, Marked
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung	Alveolus	Hemorrhage	Acute, Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Marked
	Interstitium	Inflammation	Chronic Active, Marked
		Mineralization	Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 724

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202912

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Cyst	Marked
	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
	[Cyst TGLS = 3-12: Cyst, Marked]		
* Stomach, Glandular		Mineralization	Mild
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	Artery	Inflammation	Chronic, Mild
	[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell]		
	[Atrophy TGLS = 1-10: Atrophy, Germinal Epithelium, Marked]		
* Thyroid Gland	C Cell	Adenoma	
Tooth		Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH - Kidney Nephropathy
 CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 672

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202913

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Salivary Glands	* Thyroid Gland	* Trachea	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 8-7: Pheochromocytoma, Benign]			
Blood Vessel		Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Marked
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Atrophy	Marked
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Moderate
	Atrium	Thrombosis	Marked
* Kidney	Cortex	Cyst	Moderate
		Mineralization	Moderate
		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 7-1: Nephropathy, Chronic, Marked]			
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Congestion	Acute, Moderate
	Alveolus	Hemorrhage	Acute, Mild
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	Interstitium	Inflammation	Chronic Active, Moderate
		Mineralization	Moderate
* Mammary Gland		Hyperplasia	Cystic, Marked
* Pancreas	Acinus	Hyperplasia	Mild
* Parathyroid Gland		Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 672

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202913

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	Multiple
		Angiectasis	Mild
		Mineralization	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
[Adenoma TGLS = 3-7: Adenoma, Pars Distalis, Multiple]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 5-11: Inflammation, Chronic-Active, Marked]			
* Seminal Vesicle		Inflammation	Chronic Active, Marked
* Skin	SOA, Subcut Tiss	Fibroma	Multiple
[Fibroma TGLS = 1,2-12+13: Fibroma, Multiple, SubQ Tissue, SkinSOA]			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 9-14: Hyperplasia, Epithelium, Mild]			
* Stomach, Glandular		Mineralization	Moderate
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	Interstit Cell	Hyperplasia	Minimal
	Artery	Inflammation	Chronic, Mild
[Atrophy TGLS = 4-10: Atrophy, Germinal Epithelium, Marked]			
* Urinary Bladder		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 6-6: Inflammation, Chronic-Active, Moderate]			

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH - Prostate Inflammation;Seminal Vesicle Inflammation;Urinary Bladder Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 499

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202914

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, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Hydrocephalus	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Mineralization	Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Cyst	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 499

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202914

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hydrocephalus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 616

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202915

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Lymph Node	Pigmentation	Hemosiderin, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 35	TRT#: 1	SEX: Male	DAY ON TEST: 616
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 9202915

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 4-13: Hyperplasia, Epithelium, Mild] [Ulcer TGLS = 4-13: Ulcer, Marked] * Stomach, Glandular	Epithelium	Ulcer Erosion Inflammation Ulcer	Marked Mild Chronic Active, Mild Marked
[Erosion TGLS = 3-6+12: Erosion, Epithelium, Mild] [Ulcer TGLS = 3-12: Ulcer, Marked] * Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 618

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202916

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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, Mandibular
* Lymph Node, Mesenteric	* Nose	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia Cyst Nephropathy	Fatty, Moderate Mild Moderate Chronic, Marked
* Kidney	Cortex		
	[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Marked]		
* Liver	Bile Duct	Hepatodiaphragmatic Nodule Hyperplasia	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 3-12: Hepatodiaphragmatic Nodule]		
* Lung	Alveolar Epith Alveolus Interstitium	Hyperplasia Infiltration Cellular Inflammation	Moderate Histiocyte, Minimal Chronic Active, Minimal
	[Hyperplasia TGLS = 7-2:Hyperplasia,Moderate,Alveolar Epithelium]		
Lymph Node	Mediastinal	Pigmentation Hyperplasia	Hemosiderin, Mild Cystic, Marked
* Mammary Gland			
	[Hyperplasia TGLS = 5-14: Hyperplasia, Cystic, Marked]		
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 36	TRT#: 1	SEX: Male	DAY ON TEST: 618
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202916

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-7: Adenoma, Pars Distalis]

* Prostate	Inflammation	Chronic Active, Moderate
* Skin		

Note: TGL#1-13: Foci involving SOANM, recorded at necropsy, were not apparent histopathologically.

* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Moderate

[Inflammation TGLS = 2-6: Inflammation, Chronic-Active, Moderate]

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 617

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202917

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Minimal
* Brain		Hydrocephalus	Mild
* Epididymis		Atrophy	Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Mild
		Necrosis	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Hepatodiaphragmatic Nodule TGLS = 1-12: Hepatodiaphragmatic Nodule]		
* Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
	[Hyperplasia TGLS = 3-13: Hyperplasia, Epithelium, Moderate]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 617

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202917

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Germinal Epith

Atrophy

Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hydrocephalus;Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 527

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202918

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Atrophy	Mild
* Intestine Small, Jejunum		Carcinoma	
[Carcinoma TGLS = 1-13+14+15+16:Carcinoma]			
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Hepatodiaphragmatic Nodule TGLS = 2-12: Hepatodiaphragmatic Nodule]			
* Lung	Interstitialium	Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Germinal Epith	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 527

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202918

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Intestine Small, Jejunum Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 590

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202919

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Brain		Hydrocephalus	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
		Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Fibrosis	Moderate
	[Fibrosis TGLS = 1-12: Fibrosis, Moderate]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
		Ulcer	Marked
	[Hyperplasia TGLS = 3-13: Hyperplasia, Epithelium, Moderate]		
	[Ulcer TGLS = 3-13: Ulcer, Marked]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 590

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202919

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hydrocephalus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 582

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202920

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Hydrocephalus	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
[Hepatodiaphragmatic Nodule TGLS = 1-12: Hepatodiaphragmatic Nodule]			
* Lung		Congestion	Acute, Moderate
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 2-13: Hyperplasia, Cystic, Marked]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Mild
[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 582

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202920

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Germinal Epith	Atrophy	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202921

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Salivary Glands	* Seminal Vesicle	* Skin
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Fibrous Osteodystrophy	Mild
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Atrophy	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney	Cortex	Cyst	Mild
		Nephropathy	Chronic, Moderate
* Liver		Degeneration	Cystic, Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 1-12: Hepatodiaphragmatic Nodule]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Interstitium	Inflammation	Chronic Active, Moderate
	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Nose		Inflammation	Chronic Active, Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 41	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO: 9202921
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Stomach, Glandular		Inflammation	Chronic Active, Mild
		Mineralization	Mild
		Ulcer	Marked
* Testes	Germinal Epith	Atrophy	Marked
	Artery	Inflammation	Chronic, Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202922

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
	[Pheochromocytoma Benign TGLS = 4-7: Pheochromocytoma, Benign]	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Marked]		
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Marked
	Note: Skin mass, observed at necropsy, is mammary gland cystic hyperplasia histopathologically.		
	[Hyperplasia TGLS = 1-13: Hyperplasia, Cystic, Marked]		
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
		Mineralization	Minimal
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 5-7: Adenoma, Pars Distalis]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 42	TRT#: 1	SEX: Male	DAY ON TEST: 728
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202922

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Fibrosis	Mild
		Pigmentation	Hemosiderin, Mild
[Fibrosis TGLS = 2-12: Fibrosis, Mild]			
* Testes	Germinal Epith	Atrophy	Minimal
	Artery	Inflammation	Chronic, Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Adrenal Medulla Pheochromocytoma Benign;Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 639

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202923

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 1-12: Hepatodiaphragmatic Nodule]		
* Lung		Congestion	Acute, Marked
	[Congestion TGLS = 2-2+3: Congestion, Acute, Marked]		
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Testes	Germinal Epith	Atrophy	Minimal
	Artery	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 534

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202924

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
* Lung		Congestion	Acute, Marked
		Inflammation	Granulomatous, Mild
	[Congestion TGLS = 2-2+3: Congestion, Acute, Marked]		
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Moderate
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202925

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Bone Marrow		Hyperplasia	Mild
* Epididymis		Atrophy	Moderate
Harderian Gland		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 1-1: Nephropathy, Chronic, Moderate]		
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung		Inflammation	Granulomatous, Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Pigmentation	Hemosiderin, Moderate
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Fibrosis	Moderate
	[Fibrosis TGLS = 3-12: Fibrosis, Moderate]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 45	TRT#: 1	SEX: Male	DAY ON TEST: 735
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202925

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-10: Adenoma, Bilateral, Interstitial Cell]

* Thyroid Gland	C Cell	Adenoma
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 687

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202926

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Minimal
* Intestine Small, Duodenum		Inflammation	Chronic Active, Mild
		Ulcer	Marked
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Moderate]		
* Liver	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 7,8-12+13: Hyperplasia, Moderate, Hepatocyte]		
	[Leukemia Mononuclear TGLS = 5-4: Mononuclear Cell Leukemia]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Marked
	[Hyperplasia TGLS = 1,6-10+16: Hyperplasia, Cystic, Marked]		
Mesentery	Fat	Inflammation	Chronic Active, Moderate
	[Inflammation TGLS = 4-15: Inflammation, Chronic-Active, Moderate, Fat]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 687

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202926

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
		Angiectasis	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Moderate
[Adenoma TGLS = 9-7: Adenoma, Pars Distalis, Multiple]			
* Preputial Gland		Inflammation	Chronic Active, Minimal
Note: TGL#1-10: Enlarged left preputial gland, noted at necropsy, is marked cystic hyperplasia of mammary gland tissue histopathologically.			
Note: Only one preputial gland available for histopathologic examination.			
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Moderate
		Ulcer	Marked
[Hyperplasia TGLS = 10-14: Hyperplasia, Moderate, Epithelium]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Intestine Small;Duodenum Ulcer;Kidney Nephropathy;Pituitary Gland Pars Distalis Adenoma;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 713

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202927

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Mild
	[Hyperplasia TGLS = 4-7: Hyperplasia, Mild]		
	[Pheochromocytoma Benign TGLS = 4-7: Pheochromocytoma, Benign]		
* Bone		Fibrous Osteodystrophy	Marked
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Atrophy	Marked
* Heart		Inflammation	Chronic Active, Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Cortex	Cyst Nephropathy	Mild Chronic, Marked
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Marked
	[Vacuolization Cytoplasmic TGLS = 3-4: Vacuolization, Hepatocyte, Marked]		
* Lung	Alveolar Epith Alveolus Interstitialium	Hyperplasia Infiltration Cellular Inflammation	Moderate Histiocyte, Mild Chronic Active, Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 5-7: Hyperplasia, Pars Distalis, Mild]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 47	TRT#: 1	SEX: Male	DAY ON TEST: 713
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202927

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 687

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202928

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Atrophy	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Marked]		
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Marked
	Note: Skin nodule, observed at necropsy, is hyperplastic mammary gland histopathologically - TGL 1-12.		
	[Hyperplasia TGLS = 1-12: Hyperplasia, Cystic, Marked]		
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Pigmentation	Hemosiderin, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 48	TRT#: 1	SEX: Male	DAY ON TEST: 687
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202928

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular		Ulcer	Marked
		Inflammation	Chronic Active, Mild
		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]		

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 557

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202929

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, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

Eye	Lens	Cataract	Moderate
	Retina	Degeneration	Marked
	[Cataract TGLS = 1-12: Cataract, Lens, Moderate]		
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung		Congestion	Acute, Marked
	Alveolar Epith	Hyperplasia	Moderate
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Mild
		Pigmentation	Hematoidin, Mild
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202930

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Bone		Fibrous Osteodystrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Brain		Astrocytoma Malignant	
	[Astrocytoma Malignant TGLS = 6-5: Astrocytoma, Malignant]		
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Marked]		
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Leukemia Mononuclear TGLS = 5-4: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Hemosiderin, Mild
Lymph Node	Mediastinal	Hyperplasia	Cystic, Moderate
* Mammary Gland		Hyperplasia	Mild
* Pancreas	Acinus	Adenoma	Multiple
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
		Pigmentation	Hemosiderin, Mild
	Pars Distalis		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 50	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO: 9202930
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-7: Adenoma, Pars Distalis, Multiple]

* Preputial Gland	Inflammation	Chronic Active, Mild
* Prostate	Inflammation	Chronic Active, Moderate
* Spleen	Fibrosis	Mild
	Leukemia Mononuclear	

[Fibrosis TGLS = 3-12: Fibrosis, Mild]

[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]

* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
	Artery	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 51

TRT#: 3

SEX: Male

DAY ON TEST: 609

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Bone	* Bone Marrow	* Nose
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 1-1: Nephropathy, Chronic, Moderate]			
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Marked
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Moderate
		Ulcer	Moderate
* Testes	Germinal Epith	Atrophy	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy;Stomach;Forestomach Inflammation;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 52

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203182

OBSERVATIONS

* Liver

Leukemia Mononuclear

* Skin

Epidermis, SOA

Hyperplasia

Minimal

* Spleen

SOA

Inflammation

Chronic Active, Minimal

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 53

TRT#: 3

SEX: Male

DAY ON TEST: 645

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	[Congestion TGLS = 3-2+3: Congestion, Acute, Marked]		
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Hyperplasia	Minimal
	Artery	Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 53	TRT#: 3	SEX: Male	DAY ON TEST: 645
	DOSE: 60 MG/KG	DISP: Natural Death	HISTO: 9203183

ORGAN AND ACCOUNTABLE SITE STATUS

Tongue	Cyst	Moderate
Note: Epithelial Inclusion Cyst [Cyst TGLS = 2-12: Cyst, Moderate]		

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 54

TRT#: 3

SEX: Male

DAY ON TEST: 547

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203184

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, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Inflammation	Chronic, Minimal
* Lung		Vacuolization Cytoplasmic	Minimal
		Congestion	Acute, Marked
	[Congestion TGLS = 3-2+3: Congestion, Acute, Marked]		
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
	[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]	Pigmentation	Hemosiderin, Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
	[Inflammation TGLS = 2-10: Inflammation, Chronic-Active, Mild]		
* Prostate		Inflammation	Chronic Active, Mild
* Skin		Hyperkeratosis	Moderate
	[Hyperkeratosis TGLS = 1-12: Hyperkeratosis, Moderate]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 55

TRT#: 3

SEX: Male

DAY ON TEST: 631

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Bone Marrow		Hyperplasia	Marked
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Chronic, Mild
* Liver		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Inflammation	Chronic, Minimal
		Necrosis	Mild
Note: Individual hepatocellular necrosis, centrilobular. [Necrosis TGLS = 4-4:Necrosis,Hepatocyte,Centrilobular,Mild]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lym Node Mesen			
Note: TGL#5-13: Enlarged mesenteric LN, observed at necropsy, is inflammatory nodules in mesenteric fat histopathologically.			
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
Note: TGL#1-12: Mammary gland mass, observed at necropsy, is subcutaneous fibroma histopathologically.			
Mesentery	Fat	Inflammation	Chronic Active, Marked
[Inflammation TGLS = 5-13: Inflammation, Fat, Chronic-Active, Marked]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 55	TRT#: 3 DOSE: 60 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 631 HISTO: 9203185
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]			
* Prostate		Inflammation	Chronic Active, Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-12: Fibroma, Subcutaneous Tissue]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-1: Hematopoietic Cell Proliferation, Moderate]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 56

TRT#: 3

SEX: Male

DAY ON TEST: 491

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Inflammation	Chronic Active, Moderate
* Heart		Cardiomyopathy	Chronic, Mild
		Mineralization	Mild
* Kidney		Mineralization	Minimal
		Sarcoma	
[Sarcoma TGLS = 3-12+13: Renal Sarcoma, NOS]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Moderate
[Necrosis TGLS = 2-4: Necrosis, Moderate]			
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]			
* Stomach, Glandular		Necrosis	Mild

PRIMARY CAUSE OF DEATH

- Kidney Sarcoma

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 57

TRT#: 3

SEX: Male

DAY ON TEST: 541

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203187

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Lymph Node, Mandibular	* Nose	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Atrophy	Marked
Note: Unilateral			
* Heart	Atrium	Thrombosis	Moderate
* Intestine Small, Jejunum		Leiomyosarcoma	
[Leiomyosarcoma TGLS = 7,8,12-16+13+14: Leiomyosarcoma]			
* Islets, Pancreatic		Leiomyosarcoma	Metastatic (Intestine Small, Jejunum)
[Leiomyosarcoma TGLS = 6,10-12+15:Leiomyosarcoma,Metastatic,Jejunum]			
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leiomyosarcoma	Metastatic (Intestine Small, Jejunum)
	Centrilobular, Hepatocyte	Necrosis	Moderate
	Central Vein	Thrombosis	Mild
[Necrosis TGLS = 3-4:Necrosis,Hepatocyte,Centrilobular,Moderate]			
* Lung		Leiomyosarcoma	Metastatic (Intestine Small, Jejunum)
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Lymph Node, Mesenteric		Leiomyosarcoma	Metastatic (Intestine Small, Jejunum)
[Leiomyosarcoma TGLS = 11-6+17:Leiomyosarcoma,Metastatic,Jejunum]			
Mesentery		Leiomyosarcoma	Metastatic (Intestine Small, Jejunum)
[Leiomyosarcoma TGLS = 9-18:Leiomyosarcoma,Metastatic,Jejunum]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 57	TRT#: 3 DOSE: 60 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 541 HISTO: 9203187
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy Leiomyosarcoma	Mild Metastatic (Intestine Small, Jejunum)
[Leiomyosarcoma TGLS = 6,10-12+15:Leiomyosarcoma,Metastatic,Jejunum]			
* Pituitary Gland	Pars Distalis Pars Distalis	Adenoma Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Leiomyosarcoma	Metastatic (Intestine Small, Jejunum)
Skeletal Muscle		Leiomyosarcoma	Metastatic (Intestine Small, Jejunum)
[Leiomyosarcoma TGLS = 13-19:Leiomyosarcoma,Metastatic,Jejunum]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 4-1: Hematopoietic Cell Proliferation, Moderate]			
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Minimal
Note: TGL#2-10-NCL: Size of right testicle considered to be WNL histopathologically. [Adenoma TGLS = 1-10: Adenoma, Interstitial Cell]			
* Thyroid Gland	C Cell C Cell	Adenoma Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Intestine Small, Jejunum Leiomyosarcoma
CONTRIBUTORY CAUSE OF DEATH - Islets;Pancreatic Leiomyosarcoma Intestine Small;Jejunum;Liver Centrilobular Hepatocyte Necrosis;Lung Leiomyosarcoma Intestine Small;Jejunum;Lymph Node;Mesenteric Leiomyosarcoma Intestine Small;Jejunum;Mesentery Leiomyosarcoma Intestine Small;Jejunum;Pancreas Leiomyosarcoma Intestine Small;Jejunum;Skeletal Muscle Leiomyosarcoma Intestine Small;Jejunum

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 58

TRT#: 3

SEX: Male

DAY ON TEST: 702

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	Moderate
	[Thrombosis TGLS = 2-4: Thrombosis, Atrium, Moderate]		
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
* Liver	Centrilobular, Hepatocyte	Degeneration	Fatty, Marked
	Bile Duct	Hepatocellular Carcinoma	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Mild
	[Hepatocellular Carcinoma TGLS = 4-12: Hepatocellular Carcinoma]		
	[Leukemia Mononuclear TGLS = 3-4: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
Lymph Node	Mediastinal	Hyperplasia	Cystic, Moderate
* Mammary Gland		Inflammation	Chronic Active, Mild
* Nose		Adenoma	
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 58	TRT#: 3 DOSE: 60 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 702 HISTO: 9203188
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ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis [Adenoma TGLS = 5-7: Adenoma, Pars Distalis]	Pigmentation	Hemosiderin, Moderate
* Preputial Gland	Inflammation	Chronic Active, Mild
* Prostate	Inflammation	Chronic Active, Marked
* Spleen [Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]	Leukemia Mononuclear	
* Stomach, Forestomach Epithelium	Hyperplasia Inflammation Ulcer	Mild Chronic Active, Mild Moderate
* Testes Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy;Liver Hepatocellular Carcinoma;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 59

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

OBSERVATIONS

* Liver	Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 5-4]	
* Spleen	Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 3-1]	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 60

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Epididymis		Atrophy	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Mild
* Lung		Congestion	Acute, Marked
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Lymph Node, Mesenteric		Ectasia	Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Artery	Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
		Pigmentation	Hemosiderin, Minimal
[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Seminal Vesicle		Atrophy	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 60

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203190

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 61

TRT#: 3

SEX: Male

DAY ON TEST: 619

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Brain		Hydrocephalus	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-12: Hepatodiaphragmatic Nodule]			
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Mild
		Pigmentation	Hematoidin, Mild
[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 61

TRT#: 3

SEX: Male

DAY ON TEST: 619

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203191

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hydrocephalus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 62

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

OBSERVATIONS

* Liver	Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 4-4]	
* Spleen	Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 5-1]	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 63

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

OBSERVATIONS

* Liver

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 64

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

OBSERVATIONS

* Spleen

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 643

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Mild
* Epididymis		Atrophy	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Moderate]			
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Nose		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
[Adenoma TGLS = 5-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Seminal Vesicle		Atrophy	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Moderate
		Ulcer	Marked
[Ulcer TGLS = 2-12: Ulcer, Marked]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 65	TRT#: 3	SEX: Male	DAY ON TEST: 643
	DOSE: 60 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203195

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-10: Adenoma, Interstitial Cell, Bilateral]

* Thyroid Gland	C Cell	Adenoma
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PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy;Stomach;Forestomach Inflammation;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 66

TRT#: 3

SEX: Male

DAY ON TEST: 565

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203196

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, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	Peripheral Nerve	* Salivary Glands
* Seminal Vesicle	* Skin	Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Brain		Hydrocephalus	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung		Congestion	Acute, Moderate
	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Moderate
* Testes	Interstit Cell	Hyperplasia	Minimal
* Urin Bladder			

Note: TGL#2-6-NCL: Urinary Bladder was dilated and congested; otherwise no codable changes were observed histopathologically.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 66

TRT#: 3

SEX: Male

DAY ON TEST: 565

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203196

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hydrocephalus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

OBSERVATIONS

* Liver

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-1]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 69

TRT#: 3

SEX: Male

DAY ON TEST: 196

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203199

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 | * Liver |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Parathyroid Gland | * Pituitary Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|-------------------|-------------|----------------|----------------------|
| Harderian Gland | | Inflammation | Chronic, Mild |
| * Heart | | Cardiomyopathy | Chronic, Minimal |
| * Kidney | | Nephropathy | Chronic, Minimal |
| * Lung | | Congestion | Acute, Marked |
| Lymph Node | Mediastinal | Pigmentation | Hemosiderin, Minimal |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Preputial Gland | | Inflammation | Chronic Active, Mild |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: CAUSE OF DEATH: UNDETERMINED. SUSPECT ASPHYXIATION SECONDARY TO INGESTA LODGED A ROUND EPIGLOTTIS AND IN TRACHEA. CAUSE OF INGESTA IN THIS AREA NOT DETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 70

TRT#: 3

SEX: Male

DAY ON TEST: 516

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Brain		Hydrocephalus	Marked
Eye	Retina	Degeneration	Marked
Note: TGL#1-12-NST: Lens lost during microtomy.			
* Intestine Small, Ileum		Inflammation	Chronic Active, Moderate
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hydrocephalus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 8-7: Pheochromocytoma, Benign]			
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Atrophy	Marked
* Heart		Cardiomyopathy	Chronic, Moderate
	Atrium	Thrombosis	Marked
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular, Hepatocyte	Necrosis	Marked
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	
		Hyperplasia	Cystic, Mild
[Carcinoma TGLS = 3-13]			
* Nose		Inflammation	Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Cyst	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203201

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland

Hyperplasia
Inflammation

Marked
Chronic Active, Moderate

[Hyperplasia TGLS = 2-10: Hyperplasia, Marked]

[Inflammation TGLS = 2-10: Inflammation, Chronic-Active, Moderate]

* Prostate

Inflammation

Chronic Active, Mild

* Seminal Vesicle

Atrophy

Moderate

* Skin

SOA

Basal Cell Adenoma

Note: TGL#3-13: Skin mass, recorded at necropsy, is mammary gland adenoma histopathologically.

[Basal Cell Adenoma TGLS = 1-12: Adenoma, Basal Cell, SkinSOA]

* Spleen

Hematopoietic Cell Proliferation
Leukemia Mononuclear

Mild

* Stom Forestom

Note: TGL#7-14-NCL: Nodule, recorded by prosector at necropsy, is focus of postmortem autolysis of mucosa histopathologically.

* Testes

Interstit Cell

Adenoma

Germinal Epith

Atrophy

Marked

Interstit Cell

Hyperplasia

Minimal

[Adenoma TGLS = 5-10: Adenoma, Interstitial Cell]

[Atrophy TGLS = 6-10: Atrophy, Germinal Epithelium, Marked]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Heart Atrium Thrombosis; Kidney Nephropathy; Liver Centrilobular Hepatocyte Necrosis; Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 441

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203202

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	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Brain		Hydrocephalus	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
Lymph Node	Lumbar	Hyperplasia	Lymphoid, Marked
	Mediastinal	Pigmentation	Hemosiderin, Minimal
	[Hyperplasia TGLS = 3-12: Hyperplasia, Lymphoid, Marked]		
* Mammary Gland		Hyperplasia	Cystic, Marked
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Cyst	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]		
* Prostate		Inflammation	Chronic Active, Moderate
	[Inflammation TGLS = 1-11: Inflammation, Chronic-Active, Moderate]		

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hydrocephalus;Prostate Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

OBSERVATIONS

* Liver

Leukemia Mononuclear

* Spleen

Fibroma

Leukemia Mononuclear

[Fibroma TGLS = 5-12]

[Leukemia Mononuclear TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 74

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

OBSERVATIONS

* Liver

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Sodium xylenesulfonate
 CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
 Time Report Requested: 20:20:24
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 75

TRT#: 3

SEX: Male

DAY ON TEST: 656

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Atrophy	Marked
Note: Unilateral			
* Islets, Pancreatic		Carcinoma	Metastatic (Kidney)
* Kidney	Renal Tubule	Carcinoma	
		Carcinoma	Metastatic (Kidney)
		Nephropathy	Chronic, Mild
[Carcinoma TGLS = 5-12+13: Carcinoma, Renal Tubule]			
* Liver		Carcinoma	Metastatic (Kidney)
	Bile Duct	Hyperplasia	Mild
[Carcinoma TGLS = 6,7-15+16: Carcinoma, Metastatic, Kidney]			
* Lung		Carcinoma	Metastatic (Kidney)
[Carcinoma TGLS = 9-2+3: Carcinoma, Metastatic, Kidney]			
Lymph Node	Mediastinal	Carcinoma	Metastatic (Kidney)
* Lymph Node, Mesenteric		Carcinoma	Metastatic (Kidney)
[Carcinoma TGLS = 8-14: Carcinoma, Metastatic, Kidney]			
* Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery		Carcinoma	Metastatic (Kidney)
	Fat	Inflammation	Chronic Active, Moderate
		Mineralization	Moderate
[Carcinoma TGLS = 3-14: Carcinoma, Metastatic, Kidney]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 75 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 656
DOSE: 60 MG/KG **DISP:** Moribund Sacrifice **HISTO:** 9203205

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 3-14: Inflammation, Chronic-Active, Moderate]

* Pancreas		Carcinoma	Metastatic (Kidney)
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Seminal Vesicle		Carcinoma	Metastatic (Kidney)
Skeletal Muscle		Carcinoma	Metastatic (Kidney)

[Carcinoma TGLS = 4-17: Carcinoma, Metastatic, Kidney]

* Spleen		Hematopoietic Cell Proliferation	Moderate
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[Hematopoietic Cell Proliferation TGLS = 2-1: Hematopoietic Cell Proliferation, Moderate]

* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
		Ulcer	Mild
* Stomach, Glandular	Epithelium	Erosion	Moderate
		Inflammation	Chronic Active, Moderate
		Ulcer	Marked

[Ulcer TGLS = 10-18: Ulcer, Marked]

* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

Note: Unilateral

[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell]

[Hyperplasia TGLS = 1-10: Hyperplasia, Interstitial Cell, Mild]

* Thyroid Gland	C Cell	Hyperplasia	Mild
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PRIMARY CAUSE OF DEATH	- Kidney Renal Tubule Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Islets;Pancreatic Carcinoma Kidney;Liver Carcinoma Kidney;Lung Carcinoma Kidney;Lymph Node Mediastinal Carcinoma Kidney;Lymph Node;Mesenteric Carcinoma Kidney;Mesentery Carcinoma Kidney;Pancreas Carcinoma Kidney;Seminal Vesicle Carcinoma Kidney;Skeletal Muscle Carcinoma Kidney

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 76

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 77

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 631

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Leukemia Mononuclear	
		Thrombosis	Marked
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Centrilobular, Hepatocyte	Degeneration	Fatty, Marked
		Degeneration	Cystic, Marked
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Moderate
		[Degeneration TGLS = 1-4: Degen, Fatty, Hepatocyte, Centrilobular, Marked]	
		[Degeneration TGLS = 3-13: Degeneration, Cystic, Marked]	
		[Hepatodiaphragmatic Nodule TGLS = 2-12: Hepatodiaphragmatic Nodule]	
		[Leukemia Mononuclear TGLS = 1-4: Mononuclear Cell Leukemia]	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Intermed	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 78	TRT#: 3 DOSE: 60 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 631 HISTO: 9203208
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ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland Note: only one preputial gland available for histopathologic examination.	Pars Distalis	Hyperplasia Inflammation	Mild Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen [Leukemia Mononuclear TGLS = 4-1: Mononuclear Cell Leukemia]		Leukemia Mononuclear	
* Stomach, Glandular	Epithelium	Erosion Inflammation Ulcer	Marked Chronic Active, Mild Marked
[Erosion TGLS = 5-14: Erosion, Epithelium, Marked]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Heart Atrium Thrombosis; Stomach; Glandular Epithelium Erosion; Stomach; Glandular Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

OBSERVATIONS

* Liver

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 80

TRT#: 3

SEX: Male

DAY ON TEST: 710

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone	Rib	Osteosarcoma	
	[Osteosarcoma TGLS = 7-13+14: Osteosarcoma, Rib]		
* Bone Marrow		Hyperplasia	Moderate
* Brain		Astrocytoma Malignant	
* Epididymis		Atrophy	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Mild
	[Degeneration TGLS = 6-4: Degeneration, Cystic, Moderate]		
* Lung	Mediastinum	Osteosarcoma	Metastatic (Bone)
	[Osteosarcoma TGLS = 4-12:Osteosarcoma,Metastatic,Bone,Rib,Mediastinum]		
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
	Note: TGL#4-12: Mediastinal lymph node mass, recorded at necropsy, is metastatic osteosarcoma from the rib invading the mediastinum histopathologically.		
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Adenoma TGLS = 5-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 80	TRT#: 3	SEX: Male	DAY ON TEST: 710
	DOSE: 60 MG/KG	DISP: Natural Death	HISTO: 9203210

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Atrophy	Moderate
Skeletal Muscle		Osteosarcoma	Metastatic (Bone)
	[Osteosarcoma TGLS = 7-13+14: Osteosarcoma, Metastatic, Rib]		
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	Interstit Cell	Hyperplasia	Minimal
	[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell]		
	[Atrophy TGLS = 2-10: Atrophy, Germinal Epithelium, Marked]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Bone Rib Osteosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Brain Astrocytoma Malignant;Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 81

TRT#: 3

SEX: Male

DAY ON TEST: 658

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203211

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	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Hydrocephalus	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
Note: TGL#4-14: Mammary Gland mass, noted at necropsy, is a cutaneous keratoacanthoma histopathologically.			
* Nose		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
[Adenoma TGLS = 6-7: Adenoma, Pars Distalis]			
* Preputial Gland	Duct	Cyst	Mild
[Cyst TGLS = 3-10: Cyst, Duct, Mild]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 81	TRT#: 3 DOSE: 60 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 658 HISTO: 9203211
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ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic Active, Mild
* Skin	SOA, Subcut Tiss	Fibrous Histiocytoma Keratoacanthoma	
	[Fibrous Histiocytoma TGLS = 1,2-12+13:Fibrous Histiocytoma,Subcutan.Tis.Soa]		
	[Keratoacanthoma TGLS = 4-14: Keratoacanthoma]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-1: Mononuclear Cell leukemia]		

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Brain Hydrocephalus;Kidney Nephropathy;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

OBSERVATIONS

* Liver

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 645

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Brain		Hydrocephalus	Moderate
Eye	Lens	Cataract	Moderate
	Retina	Degeneration	Marked
	[Cataract TGLS = 1-12: Cataract, Lens, Moderate]		
* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Moderate]		
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Congestion	Acute, Marked
* Mammary Gland		Hyperplasia	Cystic, Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]		
* Prostate		Inflammation	Chronic Active, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
		Inflammation	Chronic Active, Moderate
		Ulcer	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 83	TRT#: 3	SEX: Male	DAY ON TEST: 645
	DOSE: 60 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203213

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		
CONTRIBUTORY CAUSE OF DEATH	- Brain Hydrocephalus;Kidney Nephropathy;Stomach;Forestomach Inflammation;Stomach;Forestomach Ulcer		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 84 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 603
DOSE: 60 MG/KG **DISP:** Moribund Sacrifice **HISTO:** 9203214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
* Heart	Atrium	Leukemia Mononuclear	
* Kidney		Thrombosis	Marked
		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	[Leukemia Mononuclear TGLS = 3-1: Mononuclear Cell Leukemia]		
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4: Mononuclear Cell Leukemia]	Vacuolization Cytoplasmic	Moderate
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Moderate
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 603

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203214

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic Active, Moderate
		Ulcer	Moderate
	[Hyperplasia TGLS = 5-12: Hyperplasia, Epithelium, Mild]		
	[Ulcer TGLS = 5-12: Ulcer, Moderate]		
* Stomach, Glandular	Epithelium	Erosion	Mild
	[Erosion TGLS = 5-12: Erosion, Epithelium, Mild]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Heart Atrium Thrombosis;Pituitary Gland Pars Distalis Adenoma;Stomach;Forestomach Inflammation;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 623

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
* Heart		Inflammation	Chronic Active, Mild
* Intestine Large, Cecum		Inflammation	Chronic Active, Moderate
		Ulcer	Marked
* Intestine Small, Ileum		Inflammation	Chronic Active, Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
		Hemorrhage	Marked
	Pars Distalis	Thrombosis	Marked

[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 623

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203215

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Inflammation	Chronic Active, Moderate
	Leukemia Mononuclear	
* Prostate	Inflammation	Chronic Active, Moderate
* Seminal Vesicle	Leukemia Mononuclear	
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]		
* Stomach, Forestomach	Epithelium	Moderate
	Hyperplasia	Chronic Active, Mild
	Inflammation	
[Hyperplasia TGLS = 4-12: Hyperplasia, Epithelium, Moderate]		
* Stomach, Glandular	Inflammation	Chronic Active, Moderate
	Ulcer	Marked
[Inflammation TGLS = 3-12: Inflammation, Chronic-Active, Moderate]		
[Ulcer TGLS = 3-12: Ulcer, Marked]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma;Pituitary Gland Hemorrhage;Stomach;Glandular Inflammation;Stomach;Glandular Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 362

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203216

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Inflammation	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Nose		Inflammation	Chronic Active, Moderate
Note: Fungal Hyphae Associated With Inflammation In Nasal Cavity.			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Nose Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 527

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203217

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	* Mammary Gland	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Bone Marrow		Leukemia Mononuclear	
		Hyperplasia	Marked
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-14: Mononuclear Cell Leukemia]	
		[Leukemia Mononuclear TGLS = 6-16: Mononuclear Cell Leukemia, Axillary]	
		[Leukemia Mononuclear TGLS = 3-12: Mononuclear Cell Leukemia]	
		[Leukemia Mononuclear TGLS = 5-15: Mononuclear Cell Leukemia]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-17: Mononuclear Cell Leukemia]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-18: Mononuclear Cell Leukemia]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 87	TRT#: 3 DOSE: 60 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 527 HISTO: 9203217
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ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Prostate		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]	
* Thymus		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-13: Mononuclear Cell leukemia]	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 609

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Brain		Hydrocephalus	Moderate
* Epididymis		Atrophy	Marked
Note: Unilateral			
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Marked]			
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 3-12: Inflammation, Chronic-Active, Mild, Fat]			
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 5-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-10: Inflammation, Chronic-Active, Moderate]			
* Prostate		Inflammation	Chronic Active, Moderate
* Seminal Vesicle		Atrophy	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 88	TRT#: 3	SEX: Male	DAY ON TEST: 609
	DOSE: 60 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203218

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Chronic Active, Moderate
		Ulcer	Marked
[Hyperplasia TGLS = 6-13: Hyperplasia, Epithelium, Moderate]			
[Ulcer TGLS = 6-13: Ulcer, Marked]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell]			

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		
CONTRIBUTORY CAUSE OF DEATH	- Brain Hydrocephalus;Pituitary Gland Pars Distalis Adenoma;Stomach;Forestomach	Inflammation;Stomach;Forestomach	Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

OBSERVATIONS

* Liver Leukemia Mononuclear

* Skin

Note: TGL#1-12-NCL: 2mm diameter mass, recorded at necropsy, not apparent histopathologically.

* Spleen Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 702

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Atrophy	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney	Cortex	Cyst	Mild
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Marked]		
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
	Note: Mammary gland tissue on slide #10.		
* Pancreas	Acinus	Atrophy	Moderate
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
		Angiectasis	Minimal
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 1-7: Adenoma, Multiple, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Prostate		Inflammation	Chronic Active, Marked
* Seminal Vesicle		Atrophy	Marked
		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 90	TRT#: 3 DOSE: 60 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 702 HISTO: 9203220
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach [Hyperplasia TGLS = 4-12]	Epithelium	Hyperplasia	Marked
* Stomach, Glandular		Mineralization	Mild
* Testes [Atrophy TGLS = 2-10: Atrophy, Germinal Epithelium, Marked]	Germinal Epith Artery	Atrophy Inflammation	Marked Chronic, Mild

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 540

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Brain		Hydrocephalus	Moderate
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung		Congestion	Acute, Moderate
	Alveolus	Hemorrhage	Acute, Mild
	[Hemorrhage TGLS = 3-3: Hemorrhage, Alveolus, Acute, Mild]		
	Lymph Node	Pigmentation	Hemosiderin, Mild
* Mammary Gland	Mediastinal	Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Prostate		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hydrocephalus; Pituitary Gland Angiectasis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 92

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

OBSERVATIONS

* Liver

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 601

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Testes	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Brain		Hemorrhage	Acute, Marked
		Leukemia Mononuclear	
		[Hemorrhage TGLS = 5-13: Hemorrhage, Acute, Marked]	
		[Leukemia Mononuclear TGLS = 4-5: Mononuclear Cell Leukemia]	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
* Liver	Centrilobular, Hepatocyte	Degeneration	Fatty, Marked
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Marked
		Leukemia Mononuclear	
		Necrosis	Mild
		[Hyperplasia TGLS = 3-12: Hyperplasia, Hepatocyte, Marked]	
		[Leukemia Mononuclear TGLS = 2-4: Mononuclear Cell Leukemia]	
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
* Pituitary Gland		Angiectasis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 93	TRT#: 3 DOSE: 60 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 601 HISTO: 9203223
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ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Hyperplasia Leukemia Mononuclear Necrosis	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	Chronic Active, Mild
[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]			
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation Ulcer	Moderate Chronic Active, Moderate Marked
[Hyperplasia TGLS = 6-14: Hyperplasia, Epithelium, Moderate]			
* Stomach, Glandular	Epithelium	Erosion Inflammation	Marked Chronic Active, Moderate
[Erosion TGLS = 7-14: Erosion, Epithelium, Marked]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Nephropathy;Stomach;Forestomach	Inflammation;Stomach;Glandular Epithelium Erosion;Stomach;Glandular Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

OBSERVATIONS

* Liver

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 393

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203226

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	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain		Hydrocephalus	Mild
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Moderate
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH - Brain Hydrocephalus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 674

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Lung
* Lymph Node, Mandibular	* Parathyroid Gland	* Salivary Glands	* Skin
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Atrophy	Marked
		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	Marked
* Intestine Small, Duodenum		Inflammation	Chronic Active, Mild
		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
		Ulcer	Marked
* Intestine Small, Ileum		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Intestine Small, Jejunum		Inflammation	Chronic Active, Marked
		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
		Ulcer	Marked
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Centrilobular, Hepatocyte	Degeneration	Fatty, Marked
	Bile Duct	Hyperplasia	Minimal
		Necrosis	Mild
[Degeneration TGLS = 2-4:Degen,Fatty,Hepatocyte,Centrilobular,Marked]			
Lymph Node	Mediastinal	Infiltration Cellular	Histiocyte, Marked
	Mediastinal	Pigmentation	Hemosiderin, Moderate
[Infiltration Cellular TGLS = 3-2:Infiltrat Cell,Histiocyte,Marked,Mediastinal]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 97	TRT#: 3 DOSE: 60 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 674 HISTO: 9203227
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ORGAN AND ACCOUNTABLE SITE STATUS

[Pigmentation TGLS = 3-2:Pigment,Hemosiderin,Moderate,Mediastinal]			
* Lymph Node, Mesenteric		Ectasia	Marked
[Ectasia TGLS = 5-12: Ectasia, Marked]			
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
[Mesothelioma Malignant TGLS = 1-13: Mesothelioma, Malignant]			
* Nose		Inflammation	Chronic Active, Moderate
		Thrombosis	Mild
Oral Mucosa	Gingival	Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Moderate
		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
Peritoneum		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Cyst	Mild
	Pars Intermed	Cyst	Mild
[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Seminal Vesicle		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Inflammation	Chronic Active, Moderate
		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
		Ulcer	Marked
[Ulcer TGLS = 6-14: Ulcer, Marked]			
* Stomach, Glandular		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Testes	Germinal Epith	Atrophy	Marked
		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Urinary Bladder		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)

PRIMARY CAUSE OF DEATH - Mesentery Mesothelioma Malignant Uncertain Primary Site

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 674

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203227

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Heart Atrium Thrombosis;Intestine Small;Duodenum Ulcer;Intestine Small;Jejunum Ulcer;Pancreas Mesothelioma Malignant Uncertain Primary
Site;Pituitary Gland Pars Distalis Adenoma;Stomach;Forestomach Inflammation;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 603

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203228

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Brain		Hydrocephalus	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung		Congestion	Acute, Marked
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Lymph Node, Mesenteric		Ectasia	Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
		Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Skin	SOA, Sebaceous GI	Hyperplasia	Minimal
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hydrocephalus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 349

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203229

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	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain		Hydrocephalus	Moderate
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Prostate Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 702

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203230

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Salivary Glands	* Skin	* Spleen	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Hydrocephalus	Moderate
* Epididymis		Atrophy	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Moderate]		
* Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland	Duct	Cyst	Marked
		Hyperplasia	Cystic, Marked
	[Cyst TGLS = 1-12: Cyst, Duct, Marked]		
	[Hyperplasia TGLS = 2-13: Hyperplasia, Cystic, Marked]		
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 100	TRT#: 3 DOSE: 60 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 702 HISTO: 9203230
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ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Atrophy	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation Ulcer	Moderate Chronic Active, Moderate Marked
	[Hyperplasia TGLS = 5-14: Hyperplasia, Epithelium, Moderate] [Ulcer TGLS = 5-14: Ulcer, Marked]		
* Stomach, Glandular	Epithelium	Hyperplasia	Mild
	[Hyperplasia TGLS = 5-14: Hyperplasia, Epithelium, Mild]		
* Testes	Germinal Epith Interstit Cell	Atrophy Hyperplasia	Mild Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hydrocephalus;Kidney Nephropathy;Stomach;Forestomach Inflammation;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 101

TRT#: 5

SEX: Male

DAY ON TEST: 700

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]		
* Preputial Gland		Carcinoma	
		Inflammation	Chronic Active, Mild
	[Carcinoma TGLS = 1-12: Carcinoma]		
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Preputial Gland Carcinoma;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 102

TRT#: 5

SEX: Male

DAY ON TEST: 538

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Lung		Inflammation	Granulomatous, Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
	[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]		
* Thyroid Gland	C Cell	Hyperplasia	Mild
Zymbal's Gland		Carcinoma	
	[Carcinoma TGLS = 1-12+13: Carcinoma]		

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 103

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 120 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

OBSERVATIONS

* Liver

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 104

TRT#: 5

SEX: Male

DAY ON TEST: 622

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Brain		Hydrocephalus	Moderate
Eye			
Note: TGL#1-12-NCL: Eyes considered to be WNL histopathologically.			
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Mild
[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 104

TRT#: 5

SEX: Male

DAY ON TEST: 622

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203084

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-10: Adenoma, Interstitial Cell, Bilateral]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hydrocephalus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 105

TRT#: 5

SEX: Male

DAY ON TEST: 571

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203085

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain		Oligodendroglioma Malignant	
* Heart		Cardiomyopathy	Chronic, Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
* Lung		Congestion	Acute, Marked
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
	Pars Distalis	Hyperplasia	Minimal
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH

- Brain Oligodendroglioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 106

TRT#: 5

SEX: Male

DAY ON TEST: 718

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel		Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Marked
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Atrophy	Marked
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Moderate
	Atrium	Thrombosis	Marked
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 1-1: Nephropathy, Chronic, Marked]		
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung		Mineralization	Moderate
Lymph Node	Renal	Ectasia	Mild
	Mediastinal	Pigmentation	Hemosiderin, Minimal
	Note: TGL#3-12: Red color, noted at necropsy, due to RBCs within ectatic sinusoids.		
	[Ectasia TGLS = 3-12: Ectasia, Renal, Mild]		
* Mammary Gland		Hyperplasia	Cystic, Moderate
	Note: Additional mammary gland tissue on slide #10		
* Nose		Inflammation	Chronic Active, Marked
Oral Mucosa	Gingival	Inflammation	Chronic Active, Mild
* Parathyroid Gland		Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 106	TRT#: 5	SEX: Male	DAY ON TEST: 718
	DOSE: 120 MG/KG	DISP: Natural Death	HISTO: 9203086

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 5-10: Inflammation, Chronic-Active, Marked]			
* Prostate		Inflammation	Chronic Active, Marked
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular		Mineralization	Moderate
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell]			
[Atrophy TGLS = 2-10: Atrophy, Germinal Epithelium, Marked]			

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Heart Atrium Thrombosis; Pituitary Gland Pars Distalis Adenoma; Prostate Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 107

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 120 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

OBSERVATIONS

* Liver	Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 2-4]	
* Spleen	Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 1-12]	

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 108

TRT#: 5

SEX: Male

DAY ON TEST: 652

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland
Peripheral Nerve	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Brain		Hydrocephalus	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 4-13: Hepatodiaphragmatic Nodule]		
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Interstitial	Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Marked
	[Hyperplasia TGLS = 3-12: Hyperplasia, Cystic, Marked]		
* Nose		Inflammation	Chronic Active, Mild
* Pancreas		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Mild
		Pigmentation	Hematoidin, Mild
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 108	TRT#: 5	SEX: Male	DAY ON TEST: 652
	DOSE: 120 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203088

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Duct	Cyst Inflammation	Marked Chronic Active, Mild
[Cyst TGLS = 2-10: Cyst, Duct, Marked]			
[Inflammation TGLS = 2-10: Inflammation, Chronic-Active, Mild]			
* Prostate		Inflammation	Chronic Active, Mild
Spinal Cord	Axon	Degeneration	Minimal
* Testes	Germinal Epith	Atrophy	Minimal
	Artery	Inflammation	Chronic, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Brain Hydrocephalus;Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 109

TRT#: 5

SEX: Male

DAY ON TEST: 606

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 1-1: Nephropathy, Chronic, Moderate]			
* Liver	Bile Duct	Hyperplasia	Mild
* Lung		Congestion	Acute, Moderate
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Marked
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
		Pigmentation	Hemosiderin, Minimal
[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 3-10: Adenoma, Interstitial Cell]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Sodium xylenesulfonate
 CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
 Time Report Requested: 20:20:25
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 110

TRT#: 5

SEX: Male

DAY ON TEST: 573

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
* Lung		Congestion	Acute, Marked
	[Congestion TGLS = 2-2+3: Congestion, Acute, Marked]		
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Inflammation	Chronic Active, Moderate
	[Inflammation TGLS = 1-12: Inflammation, Fat. Chronic-Active, Moderate]		
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Testes	Interstit Cell	Hyperplasia	Minimal
	Artery	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma
 CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 111

TRT#: 5

SEX: Male

DAY ON TEST: 708

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 3-7: Pheochromocytoma, Benign]			
* Bone		Fibrous Osteodystrophy	Moderate
* Epididymis		Atrophy	Moderate
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]			
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
		Pigmentation	Hemosiderin, Minimal
[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 111	TRT#: 5	SEX: Male	DAY ON TEST: 708
	DOSE: 120 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203091

ORGAN AND ACCOUNTABLE SITE STATUS

	Inflammation	Chronic Active, Marked
	Ulcer	Marked
[Inflammation TGLS = 4-6: Inflammation, Chronic-Active, Marked]		
[Ulcer TGLS = 4-6: Ulcer, Marked]		
* Testes	Germinal Epith	Moderate
	Artery	Chronic, Mild
	Atrophy	
	Inflammation	

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy;Stomach;Forestomach Inflammation;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 112

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 120 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

OBSERVATIONS

* Liver

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 113

TRT#: 5

SEX: Male

DAY ON TEST: 439

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Esophagus			
Note: TGL#2-12: ESOPHAGEAL RUPTURE, NOTED AT NECROPSY, NOT APPARENT HISTOPATHOLOGICALLY.			
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung		Congestion	Acute, Marked
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Moderate
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-12: Inflammation, Chronic-Active]			
* Pancreas	Artery	Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
[Adenoma TGLS = 3-7: Adenoma Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH - UNCERTAIN

CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: CAUSE OF DEATH: UNDETERMINED. SUSPECT ASPHYXIATION SECONDARY TO INGESTA LODGED A ROUND EPIGLOTTIS AND IN TRACHEA. CAUSE OF INGESTA IN THIS AREA NOT

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 113

TRT#: 5

SEX: Male

DAY ON TEST: 439

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203093

ORGAN AND ACCOUNTABLE SITE STATUS

DETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 114

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 120 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203094

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 115

TRT#: 5

SEX: Male

DAY ON TEST: 650

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203095

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
	[Leukemia Mononuclear TGLS = 3-4: Mononuclear Cell Leukemia]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Prostate		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Atrophy	Mild
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 115	TRT#: 5	SEX: Male	DAY ON TEST: 650
	DOSE: 120 MG/KG	DISP: Natural Death	HISTO: 9203095

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]			
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation Ulcer	Moderate Chronic Active, Moderate Marked
[Ulcer TGLS = 6-13: Ulcer, Marked]			
* Stomach, Glandular	Epithelium	Erosion	Mild
[Erosion TGLS = 5-6: Erosion, Epithelium, Mild]			
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Minimal
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell]			
* Thyroid Gland Zymbal's Gland	C Cell	Hyperplasia Adenoma	Minimal
[Adenoma TGLS = 4-12+14: Adenoma]			

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Stomach;Forestomach Inflammation;Stomach;Forestomach Ulcer;Zymbal's Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 116

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 120 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 117

TRT#: 5

SEX: Male

DAY ON TEST: 622

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203097

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Salivary Glands	* Seminal Vesicle	* Skin	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Intestine Small, Duodenum		Sarcoma	Metastatic (Mesentery)
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Marked]			
* Liver	Bile Duct	Hyperplasia	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery		Sarcoma	
[Sarcoma TGLS = 3-12]			
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Hemosiderin, Moderate
[Fibrosis TGLS = 2-13: Fibrosis, Moderate]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
* Stomach, Glandular		Sarcoma	Metastatic (Mesentery)
[Sarcoma TGLS = 5-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 117	TRT#: 5	SEX: Male	DAY ON TEST: 622
	DOSE: 120 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203097

ORGAN AND ACCOUNTABLE SITE STATUS

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

PRIMARY CAUSE OF DEATH	- Mesentery Sarcoma
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy; Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 118

TRT#: 5

SEX: Male

DAY ON TEST: 666

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Leukemia Mononuclear	
	[Thrombosis TGLS = 6-4: Thrombosis, Atrium, Marked]	Thrombosis	Marked
* Intestine Large, Cecum		Inflammation	Chronic Active, Mild
		Ulcer	Marked
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Leukemia Mononuclear TGLS = 5-4: Mononuclear Cell Leukemia]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland	Duct	Cyst	Marked
		Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 118

TRT#: 5

SEX: Male

DAY ON TEST: 666

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203098

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL#3-14: Mammary gland mass, observed at necropsy, is subcutaneous fibroma histopathologically.

[Cyst TGLS = 2-13: Cyst, Duct, Marked]

* Nose		Thrombosis	Marked
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	[Adenoma TGLS = 7-7: Adenoma, Pars Distalis]		
* Prostate		Inflammation	Chronic Active, Mild
* Skin	Subcut Tiss	Fibroma	
		Keratoacanthoma	
	[Fibroma TGLS = 3-14: Fibroma, Subcutaneous Tissue]		
	[Keratoacanthoma TGLS = 1-12]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-1: Mononuclear Cell Leukemia]		
* Stomach, Forestomach		Inflammation	Chronic Active, Mild
		Ulcer	Marked
	[Ulcer TGLS = 8-15: Ulcer, Marked]		
* Stomach, Glandular	Epithelium	Erosion	Moderate
	[Erosion TGLS = 9-15: Erosion, Epithelium, Moderate]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Heart Atrium Thrombosis;Kidney Nephropathy;Pituitary Gland Pars Distalis Adenoma;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 119

TRT#: 5

SEX: Male

DAY ON TEST: 594

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203099

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 4-7: Pheochromocytoma, Benign]			
Blood Vessel		Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Marked
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Atrophy	Marked
		Mineralization	Moderate
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Moderate
[Mineralization TGLS = 5-4: Mineralization, Moderate]			
* Kidney	Cortex	Cyst	Marked
		Nephropathy	Chronic, Marked
[Cyst TGLS = 7-12: Cyst, Cortex, Marked]			
[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Marked]			
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung		Mineralization	Moderate
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pancreas	Artery	Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 119	TRT#: 5	SEX: Male	DAY ON TEST: 594
	DOSE: 120 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203099

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland [Hyperplasia TGLS = 6-7: Hyperplasia, Marked]		Hyperplasia	Marked
* Pituitary Gland Pars Distalis Pars Distalis [Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		Adenoma Hyperplasia Mineralization	Minimal Moderate
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Stomach, Forestomach		Mineralization	Moderate
* Stomach, Glandular		Mineralization	Moderate
* Testes Note: Unilateral [Atrophy TGLS = 2-10: Atrophy, Germinal Epithelium, Marked]	Germinal Epith	Atrophy	Marked
* Thyroid Gland	Follicle	Cyst	Moderate

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Adrenal Medulla Pheochromocytoma Benign

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 120

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 120 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

OBSERVATIONS

* Liver

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 121

TRT#: 5

SEX: Male

DAY ON TEST: 579

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Minimal
* Brain		Hydrocephalus	Moderate
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Congestion	Acute, Moderate
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hydrocephalus;Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 653

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Mild
* Bone Marrow		Histiocytic Sarcoma	
* Epididymis		Atrophy	Mild
* Heart	Atrium	Thrombosis	Marked
* Kidney		Accumulation, Hyaline Droplet	Moderate
		Nephropathy	Chronic, Mild
* Liver		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLS = 3-4: Histiocytic Sarcoma]		
* Lung		Histiocytic Sarcoma	
Lymph Node	Mediastinal	Histiocytic Sarcoma	
* Lymph Node, Mandibular		Histiocytic Sarcoma	
* Pancreas	Acinus	Atrophy	Minimal
		Histiocytic Sarcoma	
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Prostate		Inflammation	Chronic Active, Minimal
Skeletal Muscle		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLS = 4-12: Histiocytic Sarcoma]		
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 122	TRT#: 5	SEX: Male	DAY ON TEST: 653
	DOSE: 120 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203102

ORGAN AND ACCOUNTABLE SITE STATUS

		Histiocytic Sarcoma	
[Hematopoietic Cell Proliferation TGLS = 1-1: Hematopoietic Cell Proliferation, Moderate]			
* Testes	Germinal Epith	Atrophy	Mild
[Atrophy TGLS = 2-10: Atrophy, Germinal Epithelium, Mild]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Liver	Histiocytic Sarcoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 646

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone Marrow	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Fibrous Osteodystrophy	Moderate
* Brain		Hydrocephalus	Moderate
* Epididymis		Atrophy	Mild
* Kidney		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Moderate]		
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Interstitium	Inflammation	Chronic Active, Minimal
	Mediastinal	Pigmentation	Hemosiderin, Minimal
Lymph Node		Hyperplasia	Cystic, Moderate
* Mammary Gland		Hyperplasia	Moderate
* Parathyroid Gland		Adenoma	
* Pituitary Gland	Pars Distalis	Angiectasis	Marked
	Pars Distalis	Cyst	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]		
* Preputial Gland	Duct	Cyst	Mild
* Prostate		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 123	TRT#: 5	SEX: Male	DAY ON TEST: 646
	DOSE: 120 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203103

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation Ulcer	Moderate Chronic Active, Moderate Marked
* Stomach, Glandular		Mineralization	Mild
* Testes	Germinal Epith Artery	Atrophy Inflammation	Mild Chronic, Minimal

[Atrophy TGLS = 1-10: Atrophy, Germinal Epithelium, Mild]

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Brain Hydrocephalus;Kidney Nephropathy;Stomach;Forestomach Inflammation;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 621

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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, Mandibular	* Lymph Node, Mesenteric	* Nose
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Brain		Hydrocephalus	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Congestion	Acute, Marked
		Infiltration Cellular	Histiocyte, Minimal
	[Congestion TGLS = 2-2+3: Congestion, Acute, Marked]		
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
Oral Mucosa	Gingival	Dysplasia	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Testes	Germinal Epith	Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 621

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203104

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Brain Hydrocephalus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 125

TRT#: 5

SEX: Male

DAY ON TEST: 708

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Epididymis		Atrophy	Moderate
* Heart	Atrium	Thrombosis	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Hepatodiaphragmatic Nodule TGLS = 3-14: Hepatodiaphragmatic Nodule]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Lymph Node, Mesenteric		Ectasia	Marked
	[Ectasia TGLS = 5-13: Ectasia, Marked]		
* Mammary Gland	Duct	Cyst	Moderate
		Hyperplasia	Cystic, Moderate
	[Cyst TGLS = 6-12: Cyst, Duct, Moderate]		
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 125

TRT#: 5

SEX: Male

DAY ON TEST: 708

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203105

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	Pars Distalis	Thrombosis	Marked
[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]			
* Stomach, Forestomach		Inflammation	Chronic Active, Mild
		Ulcer	Mild
* Stomach, Glandular	Epithelium	Erosion	Mild
* Testes	Germinal Epith	Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 126

TRT#: 5

SEX: Male

DAY ON TEST: 695

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Hydrocephalus	Moderate
* Epididymis		Atrophy	Marked
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Congestion	Acute, Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
		Pigmentation	Hemosiderin, Minimal
	[Adenoma TGLS = 3-7: Adenoma Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Moderate
	[Inflammation TGLS = 1-10: Inflammation, Chronic-Active, Moderate]		
* Prostate		Inflammation	Chronic Active, Moderate
* Seminal Vesicle		Atrophy	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]		

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hydrocephalus;Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 127

TRT#: 5

SEX: Male

DAY ON TEST: 622

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Marked]		
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Interstitium	Inflammation	Chronic Active, Minimal
	Lymph Node	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Cyst	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Fibrosis	Moderate
	[Fibrosis TGLS = 3-12: Fibrosis, Moderate]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 127	TRT#: 5	SEX: Male	DAY ON TEST: 622
	DOSE: 120 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203107

ORGAN AND ACCOUNTABLE SITE STATUS

	Inflammation	Chronic Active, Marked
	Ulcer	Marked
[Hyperplasia TGLS = 5-13]		
* Testes	Germinal Epith	Mild
[Atrophy TGLS = 2-10: Atrophy, Germinal Epithelium, Mild]	Atrophy	

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy	
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma;Stomach;Forestomach	Inflammation;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 128

TRT#: 5

DOSE: 120 MG/KG

SEX: Male

DISP: Natural Death

DAY ON TEST: 672

HISTO: 9203108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Epididymis		Atrophy	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 5-1: Nephropathy, Chronic, Moderate]		
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-4: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Lymph Node	Pigmentation	Hemosiderin, Mild
* Mammary Gland	Mediastinal	Hyperplasia	Cystic, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland	Duct	Cyst	Moderate
		Inflammation	Chronic Active, Mild
	[Cyst TGLS = 6-10: Cyst, Duct, Moderate]		
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 128

TRT#: 5

SEX: Male

DAY ON TEST: 672

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203108

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 2-12: Fibrosis, Moderate]

[Leukemia Mononuclear TGLS = 1-13: Mononuclear Cell Leukemia]

* Testes Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-10: Adenoma, Interstitial Cell, Bilateral]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 715

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Adrenal Medulla		Hyperplasia	Moderate
* Bone		Fibrous Osteodystrophy	Mild
* Brain		Hydrocephalus	Mild
* Epididymis		Atrophy	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]		
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung		Congestion	Acute, Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
	[Congestion TGLS = 4-3: Congestion, Acute, Moderate]		
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
Oral Mucosa	Gingival	Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
		Angiectasis	Moderate
	Pars Distalis	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 715

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203109

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 3-7: Adenoma, Pars Distalis, Multiple]		
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Marked
* Seminal Vesicle		Atrophy	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Moderate
		Ulcer	Marked
* Testes	Germinal Epith	Atrophy	Moderate
	Artery	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Brain Hydrocephalus;Pituitary Gland Pars Distalis Adenoma;Stomach;Forestomach Inflammation;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 612

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 131

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 120 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

OBSERVATIONS

* Liver	Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 3-4]	
* Spleen	Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 1-12]	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 132

TRT#: 5

DOSE: 120 MG/KG

SEX: Male

DISP: Natural Death

DAY ON TEST: 535

HISTO: 9203112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Intestine Small, Duodenum		Carcinoma	Metastatic (Kidney)
[Carcinoma TGLS = 5-19: Carcinoma, Metastatic, Kidney]			
* Islets, Pancreatic		Carcinoma	Metastatic (Kidney)
* Kidney	Renal Tubule	Carcinoma	
		Nephropathy	Chronic, Mild
[Carcinoma TGLS = 2-16: Carcinoma, Renal Tubule]			
* Liver		Hepatodiaphragmatic Nodule	
		Necrosis	Marked
[Hepatodiaphragmatic Nodule TGLS = 6-17: Hepatodiaphragmatic Nodule]			
* Lung		Carcinoma	Metastatic (Kidney)
[Carcinoma TGLS = 12-2+3: Carcinoma, Metastatic, Kidney]			
Lymph Node	Mediastinal	Carcinoma	Metastatic (Kidney)
	Renal	Carcinoma	Metastatic (Kidney)
	Mediastinal	Pigmentation	Hemosiderin, Minimal
[Carcinoma TGLS = 7-15: Carcinoma, Renal, Metastatic, Kidney]			
* Lymph Node, Mesenteric		Carcinoma	Metastatic (Kidney)
[Carcinoma TGLS = 13-18: Carcinoma, Metastatic, Kidney]			
Mesentery		Carcinoma	Metastatic (Kidney)
[Carcinoma TGLS = 8-14: Carcinoma, Metastatic, Kidney]			
* Pancreas		Carcinoma	Metastatic (Kidney)
* Preputial Gland		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 132	TRT#: 5	SEX: Male	DAY ON TEST: 535
	DOSE: 120 MG/KG	DISP: Natural Death	HISTO: 9203112

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Carcinoma	Metastatic (Kidney)
Skeletal Muscle		Carcinoma	Metastatic (Kidney)
	[Carcinoma TGLS = 9,10,11-12+13:Carcinoma,Metastatic,Kidney]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
	Interstit Cell	Hyperplasia	Minimal
	[Adenoma TGLS = 3-10: Adenoma, Interstitial Cell]		
	[Atrophy TGLS = 4-10: Atrophy, Germinal Epithelium, Mild]		

PRIMARY CAUSE OF DEATH	- Kidney Renal Tubule Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Intestine Small;Duodenum Carcinoma Kidney;Islets;Pancreatic Carcinoma Kidney;Liver Necrosis;Lung Carcinoma Kidney;Lymph Node Renal Carcinoma Kidney;Lymph Node Mediastinal Carcinoma Kidney;Lymph Node;Mesenteric Carcinoma Kidney;Mesentery Carcinoma Kidney;Pancreas Carcinoma Kidney;Seminal Vesicle Carcinoma Kidney;Skeletal Muscle Carcinoma Kidney

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 673

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Trachea

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
		Hyperplasia	Marked
* Epididymis		Leukemia Mononuclear	
		Atrophy	Mild
* Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	Moderate
* Intestine Large, Cecum		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-14: Mononuclear Cell Leukemia]	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Hepatocyte	Necrosis	Mild
		Vacuolization Cytoplasmic	Mild
		[Leukemia Mononuclear TGLS = 2-4: Mononuclear Cell Leukemia]	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-13: Mononuclear Cell Leukemia]	
* Mammary Gland		Hyperplasia	Cystic, Moderate
Mesentery		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 673

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203113

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
	Pars Distalis	Pigmentation	Hemosiderin, Mild
[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Prostate		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Skin	Subcut Tiss	Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12: Mononuclear Cell Leukemia]			
* Stomach, Glandular		Necrosis	Marked
* Testes	Germinal Epith	Atrophy	Mild
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Heart Atrium Thrombosis; Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 134

TRT#: 5

SEX: Male

DAY ON TEST: 609

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Marked
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Atrophy	Marked
* Heart		Cardiomyopathy	Chronic, Moderate
* Intestine Large, Colon		Parasite Metazoan	
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]		
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Vacuolization Cytoplasmic TGLS = 3-13: Vacuolization Cytoplasm, Hepatocyte, Moderate]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Mineralization	Moderate
Lymph Node	Renal	Ectasia	Mild
	Renal	Pigmentation	Hemosiderin, Mild
	Note: TGL#4-14: Red color, observed at necropsy, due to blood in ectatic sinusoids.		
	[Ectasia TGLS = 4-14: Ectasia, Renal, Mild]		
* Lymph Node, Mesenteric		Ectasia	Mild
	Note: TGL#6-6: Red color, observed at necropsy, due to blood in ectatic sinusoids.		
	[Ectasia TGLS = 6-6: Ectasia, Mild]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 134	TRT#: 5	SEX: Male	DAY ON TEST: 609
	DOSE: 120 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203114

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland	Duct	Cyst Hyperplasia	Marked Cystic, Marked
[Cyst TGLS = 1-12: Cyst, Duct, Marked]			
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Hyperplasia	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma Angiectasis	Moderate
	Pars Distalis	Cyst	Minimal
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
[Adenoma TGLS = 5-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Germinal Epith Artery	Atrophy Inflammation	Marked Chronic, Minimal

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 135

TRT#: 5

DOSE: 120 MG/KG

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 527

HISTO: 9203115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Atrophy	Marked
Note: Unilateral			
* Kidney		Nephropathy	Chronic, Moderate
* Lung		Inflammation	Suppurative, Moderate
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
Mesentery	Fat	Inflammation	Chronic Active, Marked
		Mineralization	Mild
			[Inflammation TGLS = 2-13: Inflammation, Fat, Chronic-Active, Marked]
* Nose		Inflammation	Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
	Pars Distalis	Angiectasis	Mild
		Pigmentation	Hemosiderin, Mild
			[Adenoma TGLS = 3-7: Adenoma, Pars Distalis, Multiple]
* Preputial Gland		Adenoma	
		Inflammation	Chronic Active, Mild
			[Adenoma TGLS = 1-12]
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 135	TRT#: 5	SEX: Male	DAY ON TEST: 527
	DOSE: 120 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203115

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes Note: Unilateral	Germinal Epith	Atrophy	Marked
* Thyroid Gland [Carcinoma TGLS = 4-7: Carcinoma, Follicular Cell]	Follicular Cel	Carcinoma	

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy;Lung Inflammation;Thyroid Gland Follicular Cel Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 568

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Minimal
		Hypertrophy	Marked
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Thrombosis	Marked
[Thrombosis TGLS = 3-12: Thrombosis, Marked]			
* Bone		Osteosarcoma	
[Osteosarcoma TGLS = 1-13+14: Osteosarcoma]			
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Lung		Osteosarcoma	Metastatic (Bone)
* Lym Node Mesen			
Note: TGL#3-12:Enlarged,Red Mesenteric LN, observed at necropsy, is thrombosed mesenteric artery histopathologically.			
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
		Angiectasis	Minimal
	Pars Distalis	Cyst	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 136	TRT#: 5	SEX: Male	DAY ON TEST: 568
	DOSE: 120 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203116

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7: Adenoma, Pars Distalis, Multiple]

* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Minimal

PRIMARY CAUSE OF DEATH	- Bone Osteosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Blood Vessel Thrombosis;Kidney Nephropathy;Lung Osteosarcoma Bone;Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 257

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Inflammation	Chronic, Minimal
* Lung		Congestion	Acute, Marked
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Pancreas	Acinus	Atrophy	Moderate
* Preputial Gland		Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: CAUSE OF DEATH: UNDETERMINED. SUSPECT ASPHYXIATION SECONDARY TO INGESTA LODGED A ROUND EPIGLOTTIS AND IN TRACHEA. CAUSE OF INGESTA IN THIS AREA NOT DETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 138

TRT#: 5

SEX: Male

DAY ON TEST: 659

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Preputial Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Mild
* Brain		Hydrocephalus	Mild
Eye	Lens	Cataract	Moderate
	Retina	Degeneration	Marked
	[Cataract TGLS = 1-12: Cataract, Lens, Moderate]		
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]		
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Marked
	[Hyperplasia TGLS = 4-7: Hyperplasia, Cystic, Marked]		
* Pancreas	Acinus	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 138	TRT#: 5	SEX: Male	DAY ON TEST: 659
	DOSE: 120 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203118

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Angiectasis	Moderate
	[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]	Pigmentation	Hemosiderin, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Moderate
		Ulcer	Marked

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Brain Hydrocephalus;Pituitary Gland Pars Distalis Adenoma;Spleen Leukemia Mononuclear;Stomach;Forestomach Inflammation;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 646

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
* Epididymis		Atrophy	Marked
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pituitary Gland		Necrosis	Marked
Note: Resembles a organizing infarction histologically. [Necrosis TGLS = 3-7: Necrosis, Marked]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Atrophy	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
		Ulcer	Mild
[Hyperplasia TGLS = 4-12: Hyperplasia, Epithelium, Moderate]			
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	Interstitial Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 646

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203119

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 2-10: Atrophy, Germinal Epithelium, Marked]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Necrosis

CONTRIBUTORY CAUSE OF DEATH

- Adrenal Cortex Atrophy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 120 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203120

OBSERVATIONS

* Skin

Squamous Cell Papilloma

[Squamous Cell Papilloma TGLS = 2-13: Squamous Cell Papilloma]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 562

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Atrophy	Marked
Note: Unilateral			
* Heart	Atrium	Thrombosis	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
		Necrosis	Moderate
[Leukemia Mononuclear TGLS = 5-2: Mononuclear Cell Leukemia]			
[Necrosis TGLS = 5-2: Necrosis, Moderate]			
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
		Mixed Tumor Benign	
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 562

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203121

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]

* Preputial Gland

Inflammation

Chronic Active, Mild

* Prostate

Inflammation

Chronic Active, Mild

* Spleen

Fibrosis

Moderate

Leukemia Mononuclear

[Fibrosis TGLS = 4-12: Fibrosis, Moderate]

[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]

* Testes

Interstit Cell

Adenoma

[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Heart Atrium Thrombosis; Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
Coagulating Gland		Inflammation	Chronic Active, Minimal
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 1-1: Nephropathy, Chronic, Moderate]		
* Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Interstitial	Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]	Pigmentation	Hemosiderin, Mild
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Moderate
* Seminal Vesicle		Atrophy	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203122

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Interstit Cell
Germinal Epith
Artery

Inflammation
Ulcer
Adenoma
Atrophy
Inflammation

Chronic Active, Moderate
Marked

Mild
Chronic, Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy;Stomach;Forestomach Inflammation;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 672

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Pancreas | * Salivary Glands |
| * Seminal Vesicle | * Spleen | * Thymus | * Thyroid Gland |
| * Trachea | | | |

OBSERVATIONS

- | | | | |
|---------------------|--|------------------------|--------------------------|
| * Adrenal Cortex | | Degeneration | Fatty, Mild |
| | | Hyperplasia | Mild |
| * Adrenal Medulla | | Hyperplasia | Mild |
| Blood Vessel | | Mineralization | Moderate |
| * Bone | | Fibrous Osteodystrophy | Mild |
| * Heart | | Mineralization | Moderate |
| * Kidney | | Nephropathy | Chronic, Marked |
| | [Nephropathy TGLS = 4-1: Nephropathy, Chronic, Marked] | | |
| * Liver | | Inflammation | Chronic, Mild |
| * Lung | | Congestion | Acute, Marked |
| | | Mineralization | Mild |
| * Mammary Gland | | Hyperplasia | Cystic, Mild |
| Mesentery | Fat | Necrosis | Marked |
| | [Necrosis TGLS = 6-14: Necrosis, Fat, Marked] | | |
| * Parathyroid Gland | | Hyperplasia | Mild |
| | [Hyperplasia TGLS = 5-7: Hyperplasia, Mild] | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | | Angiectasis | Mild |
| | Pars Distalis | Cyst | Mild |
| | Pars Distalis | Pigmentation | Hemosiderin, Minimal |
| * Preputial Gland | | Inflammation | Chronic Active, Mild |
| * Prostate | | Inflammation | Chronic Active, Moderate |
| * Skin | SOA | Basal Cell Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 672

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203123

ORGAN AND ACCOUNTABLE SITE STATUS

[Basal Cell Adenoma TGLS = 1-13:Basal Cell Adenoma,SkinSOA]

* Stomach, Forestomach

Mineralization

Minimal

* Stomach, Glandular

Mineralization

Moderate

* Testes

Germinal Epith

Atrophy

Minimal

[Atrophy TGLS = 2-10: Atrophy, Germinal Epithelium, Minimal]

* Urinary Bladder

Transit Epithe

Carcinoma

[Carcinoma TGLS = 3-12]

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Heart Mineralization;Pituitary Gland Pars Distalis Adenoma;Urinary Bladder Transit Epithe Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 489

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Leiomyosarcoma	Metastatic (Stomach, Forestomach)
* Adrenal Medulla		Hyperplasia	Minimal
* Intestine Small, Duodenum		Leiomyosarcoma	Metastatic (Stomach, Forestomach)
* Intestine Small, Jejunum		Leiomyosarcoma	Metastatic (Stomach, Forestomach)
* Kidney		Nephropathy	Chronic, Mild
* Liver		Leiomyosarcoma	Metastatic (Stomach, Forestomach)
		Necrosis	Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery		Leiomyosarcoma	Metastatic (Stomach, Forestomach)
		[Leiomyosarcoma TGLS = 2-12: METASTATIC LEIOMYOSARCOMA, STOMACH]	
* Pancreas		Leiomyosarcoma	Metastatic (Stomach, Forestomach)
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
		[Adenoma TGLS = 1-7: ADENOMA, PARS DISTALIS]	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Seminal Vesicle		Leiomyosarcoma	Metastatic (Stomach, Forestomach)
* Spleen		Leiomyosarcoma	Metastatic (Stomach, Forestomach)
* Stomach, Forestomach		Leiomyosarcoma	
		[Leiomyosarcoma TGLS = 3-13+14+15+16: LEIOMYOSARCOMA]	
* Stomach, Glandular		Leiomyosarcoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 489

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203124

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Stomach, Forestomach Leiomyosarcoma

Animal Note: CAUSE OF MORBIDITY: GASTRIC LEIOMYOSARCOMA AND ASSOCIATED METASTASES.

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 145

TRT#: 5

DOSE: 120 MG/KG

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 704

HISTO: 9203125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Salivary Glands	* Skin	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Marked
* Epididymis		Atrophy	Marked
		Mineralization	Moderate
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Mild
* Intestine Small, Jejunum		Diverticulum	
[Diverticulum TGLS = 4-12: Diverticulum]			
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Marked]			
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Hemorrhage	Acute, Mild
		Inflammation	Chronic Active, Mild
		Mineralization	Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 704

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203125

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis	Hyperplasia	Mild
[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Preputial Gland	Inflammation	Chronic Active, Moderate
* Prostate	Inflammation	Chronic Active, Mild
* Seminal Vesicle	Atrophy	Moderate
* Spleen	Hematopoietic Cell Proliferation	Marked
* Stomach, Forestomach	Hyperplasia	Moderate
	Inflammation	Chronic Active, Mild
[Hyperplasia TGLS = 5-12: Hyperplasia, Epithelium, Moderate]		
* Stomach, Glandular	Mineralization	Moderate
* Testes	Adenoma	
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]		

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH - Heart Cardiomyopathy; Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 596

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203126

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, Mandibular	* Lymph Node, Mesenteric
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain		Hydrocephalus	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
* Lung		Congestion	Acute, Marked
	[Congestion TGLS = 3-2+3: Congestion, Acute, Marked]		
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Skin	Subcut Tiss	Schwannoma Malignant	
	[Schwannoma Malignant TGLS = 1-12: Schwannoma, Malignant, Subcutaneous Tissue]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH - Brain Hydrocephalus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 637

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 3-7: Pheochromocytoma, Benign]			
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 2-12: Hyperplasia, Cystic, Moderate]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Cyst	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Testes	Interstit Cell	Hyperplasia	Minimal
	Artery	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 637

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203127

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Adrenal Medulla Pheochromocytoma Benign;Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 477

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-2+3: Mononuclear Cell Leukemia]		
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mesentery	Fat	Inflammation	Chronic Active, Moderate
		Mineralization	Mild
	[Inflammation TGLS = 2-12: Inflammation, Chronic-Active, Moderate]		
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Mild
	[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 148	TRT#: 5	SEX: Male	DAY ON TEST: 477
	DOSE: 120 MG/KG	DISP: Natural Death	HISTO: 9203128

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-13: Mononuclear Cell Leukemia]

* Testes	Interstit Cell	Hyperplasia	Minimal
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PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 120 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

OBSERVATIONS

* Liver

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 487

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Epididymis		Atrophy	Moderate
* Intestine Large, Cecum		Inflammation	Chronic Active, Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Pituitary Gland	Pars Distalis	Atrophy	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Moderate
	[Atrophy TGLS = 1-12: Atrophy, Pars Distalis]		
* Preputial Gland		Hyperplasia	Marked
		Inflammation	Chronic Active, Marked
	[Hyperplasia TGLS = 2-13: Hyperplasia, Marked]		
* Prostate		Inflammation	Chronic Active, Marked
* Skin	Epidermis, SOA	Hyperplasia	Minimal
* Testes	Germinal Epith	Atrophy	Marked
	Interstitial Cell	Hyperplasia	Minimal
	[Atrophy TGLS = 3-10: Atrophy, Germinal Epithelium, Marked]		

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Atrophy

CONTRIBUTORY CAUSE OF DEATH

- Preputial Gland Hyperplasia;Preputial Gland Inflammation;Prostate Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 151

TRT#: 7

SEX: Male

DAY ON TEST: 735

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Atrophy	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney	Cortex	Cyst	Marked
		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
		[Cyst TGLS = 7-1: Cyst, Cortex, Marked]	
		[Nephropathy TGLS = 8-1: Nephropathy, Chronic, Marked]	
* Liver		Angiectasis	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
		[Leukemia Mononuclear TGLS = 5-4: Mononuclear Cell Leukemia]	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 151	TRT#: 7	SEX: Male	DAY ON TEST: 735
	DOSE: 240 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202981

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 2-10: Inflammation, Chronic-Active, Moderate]			
* Prostate		Inflammation	Chronic Active, Mild
* Skin		Squamous Cell Papilloma	
Note: Squamous Cell Papilloma involves the skin of the nose.			
[Squamous Cell Papilloma TGLS = 1-13: Squamous Cell Papilloma]			
* Spleen		Fibrosis Leukemia Mononuclear	Mild
[Fibrosis TGLS = 6-12: Fibrosis, Mild]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	Interstitial Cell	Hyperplasia	Minimal
	Artery	Inflammation	Chronic, Mild
[Adenoma TGLS = 3-12: Adenoma, Interstitial Cell]			
[Atrophy TGLS = 4-10: Atrophy, Germinal Epithelium, Marked]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 152

TRT#: 7

SEX: Male

DAY ON TEST: 735

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Epididymis		Atrophy	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney	Cortex	Cyst	Mild
		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-2: Mononuclear Cell Leukemia]	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery	Fat	Inflammation	Chronic Active, Marked
		Mineralization	Mild
		[Inflammation TGLS = 4-13: Inflammation, Chronic-Active, Marked, Fat]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 152

TRT#: 7

SEX: Male

DAY ON TEST: 735

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202982

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Cyst	Mild
	Pars Intermed	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-10: Adenoma, Interstitial Cell, Bilateral]			
* Thyroid Gland	Bilateral, C Cell	Carcinoma	
[Carcinoma TGLS = 5,6-12: Carcinoma, C Cell, Bilateral]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 153

TRT#: 7

SEX: Male

DAY ON TEST: 667

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9202983

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Lung		Congestion	Acute, Marked
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 154

TRT#: 7

SEX: Male

DAY ON TEST: 735

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202984

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Epididymis		Atrophy	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 3-12: Hepatodiaphragmatic Nodule]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
	[Inflammation TGLS = 2-10: Inflammation, Chronic-Active, Mild]		
* Prostate		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 154	TRT#: 7	SEX: Male	DAY ON TEST: 735
	DOSE: 240 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202984

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Atrophy	Marked
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	Interstitial Cell	Hyperplasia	Minimal
	[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell]		
	[Hyperplasia TGLS = 1-10: Hyperplasia, Interstitial Cell, Minimal]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 155

TRT#: 7

SEX: Male

DAY ON TEST: 568

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202985

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Epididymis		Atrophy	Moderate
Eye	Lens	Cataract	Moderate
	Retina	Degeneration	Marked
	[Cataract TGLS = 1-13: Cataract, Moderate, Lens]		
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-4: Mononuclear Cell Leukemia]		
* Lung		Leukemia Mononuclear	
Lymph Node	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Hemosiderin, Mild
	[Leukemia Mononuclear TGLS = 5-12: Mononuclear Cell Leukemia]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Intermed	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 155	TRT#: 7	SEX: Male	DAY ON TEST: 568
	DOSE: 240 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202985

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-10: Adenoma, Interstitial Cell, Bilateral]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 156

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9202986

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Mild
* Epididymis		Atrophy	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
* Lung		Congestion	Acute, Marked
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Adenoma TGLS = 2-7: Adenoma Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 156

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9202986

ORGAN AND ACCOUNTABLE SITE STATUS

Artery

Inflammation

Chronic, Mild

[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 157

TRT#: 7

SEX: Male

DAY ON TEST: 735

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Salivary Glands
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Adrenal Medulla		Leukemia Mononuclear	
		Hyperplasia	Mild
		Leukemia Mononuclear	
Blood Vessel		Pheochromocytoma Benign	
* Bone		Mineralization	Moderate
* Bone Marrow		Fibrous Osteodystrophy	Marked
		Hyperplasia	Marked
		Leukemia Mononuclear	
* Epididymis		Atrophy	Marked
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Mild
	Atrium	Thrombosis	Marked
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]		
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Marked
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Hyperplasia TGLS = 4-13: Hyperplasia, Hepatocyte, Marked]		
	[Leukemia Mononuclear TGLS = 3-4: Mononuclear Cell Leukemia]		
	[Vacuolization Cytoplasmic TGLS = 3-4: Vacuolization,Cytoplasm,Hepatocyte,Moderate]		
* Lung		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 157

TRT#: 7

SEX: Male

DAY ON TEST: 735

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202987

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Moderate
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Craniopharyngioma	
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 7-7: Adenoma, Pars Distalis]		
	[Craniopharyngioma TGLS = 7-7: Craniopharyngioma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Moderate
* Seminal Vesicle		Atrophy	Moderate
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 1-12: Fibroma, Subcutaneous Tissue]		
* Spleen		Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
	[Fibrosis TGLS = 5,6-14: Fibrosis, Moderate]		
	[Leukemia Mononuclear TGLS = 5-14: Mononuclear Cell Leukemia]		
* Stomach, Glandular		Mineralization	Moderate
* Testes	Germinal Epith	Atrophy	Marked
	Interstit Cell	Hyperplasia	Minimal
	Artery	Inflammation	Chronic, Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 158

TRT#: 7

SEX: Male

DAY ON TEST: 428

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202988

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Hydrocephalus	Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-12: HDN]			
* Lung		Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]			
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: CAUSE OF MORBIDITY: PITUITARY GLAND ADENOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 159

TRT#: 7

SEX: Male

DAY ON TEST: 658

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202989

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
* Brain		Hemorrhage	Acute, Marked
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 8-5: Hemorrhage, Acute, Marked]		
	[Leukemia Mononuclear TGLS = 8-5: Mononuclear Cell Leukemia]		
* Epididymis		Atrophy	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
* Intestine Large, Colon	Lymphoid Tiss	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-16: Mononuclear Cell Leukemia, Lymphoid Tissue]		
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 6-1: Nephropathy, Chronic, Moderate]		
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Renal	Ectasia	Mild
	Renal	Erythrophagocytosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 159

TRT#: 7

SEX: Male

DAY ON TEST: 658

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202989

ORGAN AND ACCOUNTABLE SITE STATUS

Renal	Pigmentation	Hemosiderin, Mild
[Ectasia TGLS = 7-13: Ectasia, Mild, Renal]		
[Erythrophagocytosis TGLS = 7-13: Erythrophagocytosis, Mild, Renal]		
* Lymph Node, Mesenteric	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-15: Mononuclear Cell Leukemia]		
* Mammary Gland	Hyperplasia	Cystic, Mild
Mesentery	Inflammation	Chronic Active, Moderate
	Mineralization	Mild
[Inflammation TGLS = 4-14:Inflammation,Chronic-Active,Fat,Moderate]		
* Parathyroid Gland	Hyperplasia	Mild
* Pituitary Gland	Adenoma	
	Angiectasis	Minimal
	Cyst	Mild
	Leukemia Mononuclear	
	Pigmentation	Hemosiderin, Minimal
* Preputial Gland	Inflammation	Chronic Active, Mild
* Prostate	Inflammation	Chronic Active, Mild
* Seminal Vesicle	Atrophy	Moderate
[Atrophy TGLS = 5-10: Atrophy, Moderate]		
* Skin		
Note: TGL#1-12-NCL: Crust, Observed at necropsy, not apparent histopathologically.		
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]		
* Stomach, Forestomach	Hyperplasia	Mild
	Inflammation	Chronic Active, Moderate
	Ulcer	Marked
[Ulcer TGLS = 11-17: Ulcer, Marked]		
* Testes	Adenoma	
[Adenoma TGLS = 3-10: Adenoma, Interstitial Cell, Bilateral]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Brain Hemorrhage;Kidney Nephropathy;Pituitary Gland Pars Distalis Adenoma;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 160

TRT#: 7

SEX: Male

DAY ON TEST: 547

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202990

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Epididymis		Atrophy	Marked
		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Intestine Small, Ileum		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Intestine Small, Jejunum		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Kidney		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
		Nephropathy	Chronic, Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
[Hepatodiaphragmatic Nodule TGLS = 5-13: Hepatodiaphragmatic Nodule]			
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Moderate
Mesentery		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
[Mesothelioma Malignant TGLS = 4-12: Malignant Mesothelioma]			
* Pancreas		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
Peritoneum		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 160

TRT#: 7

SEX: Male

DAY ON TEST: 547

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202990

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle
* Spleen
* Testes

Bilateral, Interstit Cell

Inflammation
Mesothelioma Malignant
Atrophy
Hematopoietic Cell Proliferation
Adenoma
Mesothelioma Malignant

Chronic Active, Minimal
Metastatic (Uncertain Primary Site)
Moderate
Moderate
Metastatic (Uncertain Primary Site)

Note: TGL#3-10-NCL: Right testicle size WNL histopathologically. Size diferential due to larger Interstitial Cell Adenoma involving left testicle.
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]

* Urinary Bladder

Mesothelioma Malignant

Metastatic (Uncertain Primary Site)

PRIMARY CAUSE OF DEATH

- Mesentery Mesothelioma Malignant Uncertain Primary Site

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 161

TRT#: 7

SEX: Male

DAY ON TEST: 735

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Epididymis		Atrophy	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Small, Ileum		Inflammation	Chronic Active, Marked
		Ulcer	Marked
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-4: Mononuclear Cell Leukemia]	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
* Preputial Gland		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 161	TRT#: 7	SEX: Male	DAY ON TEST: 735
	DOSE: 240 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202991

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Inflammation	Chronic Active, Mild
* Seminal Vesicle	Atrophy	Marked
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]		
* Testes	Bilateral, Interstit Cell	Adenoma
Note: TGL#4-10-NCL: Right testicle size WNL histopathologically. Size differential due to larger interstitial cell adenoma involving left testicle.		
[Adenoma TGLS = 3-10: Adenoma, Interstitial Cell, Bilateral]		
* Thymus	Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 162

TRT#: 7

SEX: Male

DAY ON TEST: 719

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Histiocytic Sarcoma	
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Histiocytic Sarcoma	
		Hyperplasia	Marked
* Intestine Large, Cecum		Inflammation	Chronic Active, Moderate
		Ulcer	Marked
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLS = 3,4-4+13: Histiocytic Sarcoma]		
* Lung		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLS = 6-2+3: Histiocytic Sarcoma]		
Lymph Node	Mediastinal	Histiocytic Sarcoma	
	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
	Note: TGL#1-12: Inguinal mammary gland mass, noted at necropsy, is subcutaneous metastasis of histiocytic sarcoma histopathologically.		
Mesentery		Histiocytic Sarcoma	
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Minimal
		Histiocytic Sarcoma	
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Cyst	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 162

TRT#: 7

SEX: Male

DAY ON TEST: 719

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202992

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 7-7: Adenoma, Pars Distalis]

* Preputial Gland

Inflammation

Chronic Active, Minimal

* Prostate

Inflammation

Chronic Active, Marked

* Skin

Subcut Tiss

Histiocytic Sarcoma

[Histiocytic Sarcoma TGLS = 1-12:Histiocytic Sarcoma, SQ Tissue]

* Spleen

Fibrosis

Moderate

Hematopoietic Cell Proliferation

Moderate

Histiocytic Sarcoma

[Fibrosis TGLS = 2-13: Fibrosis, Moderate]

* Stomach, Forestomach

Epithelium

Hyperplasia

Mild

Inflammation

Chronic Active, Moderate

Ulcer

Marked

[Ulcer TGLS = 8-6+13: Ulcer, Marked]

* Stomach, Glandular

Inflammation

Chronic Active, Marked

Ulcer

Marked

* Testes

Interstit Cell

Hyperplasia

Mild

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Liver Histiocytic Sarcoma

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy;Lung Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 163

TRT#: 7

SEX: Male

DAY ON TEST: 638

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202993

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Fibrous Osteodystrophy	Mild
* Epididymis		Atrophy	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 5-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]	Pigmentation	Hemosiderin, Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
	[Inflammation TGLS = 1-10: Inflammation, Chronic-Active, Mild]		
* Prostate		Inflammation	Chronic Active, Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Moderate
		Ulcer	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 163	TRT#: 7	SEX: Male	DAY ON TEST: 638
	DOSE: 240 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202993

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
	[Adenoma TGLS = 3-10: Adenoma, Interstitial Cell]		
	[Atrophy TGLS = 4-10: Atrophy, Germinal Epithelium, Mild]		
* Thyroid Gland	Follicle	Cyst	Moderate

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 164

TRT#: 7

SEX: Male

DAY ON TEST: 629

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202994

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Necrosis	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear Hyperplasia	Marked
* Heart		Leukemia Mononuclear Leukemia Mononuclear	
* Kidney	Atrium	Thrombosis	Marked
* Liver	Bile Duct	Leukemia Mononuclear Nephropathy Hyperplasia Leukemia Mononuclear	Chronic, Minimal Moderate
		[Hyperplasia TGLS = 3-4: Hyperplasia, Bile Duct, Moderate]	
		[Leukemia Mononuclear TGLS = 3-4: Mononuclear Cell Leukemia]	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery		Leukemia Mononuclear	
Oral Mucosa	Gingival	Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 164

TRT#: 7

SEX: Male

DAY ON TEST: 629

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202994

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis	Pigmentation	Hemosiderin, Mild
[Leukemia Mononuclear TGLS = 1-7: Mononuclear Cell Leukemia]		
* Preputial Gland	Inflammation	Chronic Active, Mild
* Prostate	Inflammation	Chronic Active, Moderate
	Leukemia Mononuclear	
* Seminal Vesicle	Leukemia Mononuclear	
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]		
* Stomach, Glandular	Necrosis	Moderate
* Thymus	Leukemia Mononuclear	
* Urinary Bladder	Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 165

TRT#: 7

DOSE: 240 MG/KG

SEX: Male

DISP: Natural Death

DAY ON TEST: 642

HISTO: 9202995

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLS = 7-7: Pheochromocytoma, Benign]		
* Bone Marrow		Hyperplasia	Moderate
Harderian Gland		Squamous Cell Carcinoma	Metastatic (Oral Mucosa)
	[Squamous Cell Carcinoma TGLS = 1-12:Sq Cell Carcinoma, Metastatic,Oral Mucosa]		
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney	Cortex	Cyst	Mild
		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 6-1: Nephropathy, Chronic, Moderate]		
* Liver	Bile Duct	Hyperplasia	Mild
	[Hyperplasia TGLS = 5-4: Hyperplasia, Bile Duct, Mild]		
* Lung	Alveolus	Congestion	Acute, Marked
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
	Note: Mammary gland tissue also on slide #10		
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 165	TRT#: 7	SEX: Male	DAY ON TEST: 642
	DOSE: 240 MG/KG	DISP: Natural Death	HISTO: 9202995

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland [Inflammation TGLS = 3-10: Inflammation, Chronic-Active, Mild]		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Skin Note: Skin lesion from face is morphologically consistent with a diagnosis of subcutaneous abscess. [Inflammation TGLS = 2-13:Inflammation,Chr-Act,Marked,Subcutaneous Tis]	Subcut Tiss	Inflammation	Chronic Active, Marked
* Stomach, Glandular	Epithelium	Erosion	Moderate
* Testes [Adenoma TGLS = 4-10: Adenoma, Interstitial Cell, Bilateral]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH	- Oral Mucosa Gingival Squamous Cell Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 166

TRT#: 7

SEX: Male

DAY ON TEST: 524

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9202996

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
* Lung		Congestion	Acute, Marked
	[Congestion TGLS = 1-2+3: Congestion, Acute, Marked]		
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]		
* Preputial Gland		Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Thyroid Gland	Follicle	Cyst	Marked

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 167

TRT#: 7

SEX: Male

DAY ON TEST: 735

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202997

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Atrophy	Marked
* Heart		Inflammation	Chronic Active, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Clear Cell Focus	
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Lymph Node, Mesenteric		Ectasia	Moderate
[Ectasia TGLS = 3-12: Ectasia, Moderate]			
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Mild
[Cyst TGLS = 2-7: Cyst, Pars Distalis, Moderate]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Marked
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 167	TRT#: 7	SEX: Male	DAY ON TEST: 735
	DOSE: 240 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202997

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma
	[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 168

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202998

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Atrophy	Marked
* Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	Marked
* Kidney	Cortex	Cyst	Mild
		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Vacuolization Cytoplasmic TGLS = 7-4: Vacuolization Cytoplasm,Hepatocyte,Moderate]		
* Lung		Inflammation	Chronic Active, Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 2-7]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Seminal Vesicle		Atrophy	Moderate
* Skin		Basal Cell Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 168	TRT#: 7	SEX: Male	DAY ON TEST: 726
	DOSE: 240 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202998

ORGAN AND ACCOUNTABLE SITE STATUS

[Basal Cell Adenoma TGLS = 1-13: Basal Cell Adenoma]			
* Spleen		Fibrosis Hematopoietic Cell Proliferation Pigmentation	Moderate Moderate Hemosiderin, Mild
[Fibrosis TGLS = 6-12: Fibrosis, Moderate]			
[Hematopoietic Cell Proliferation TGLS = 5-1]			
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation Ulcer	Moderate Chronic Active, Moderate Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-10: Adenoma, Interstitial Cell, Bilateral]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		
CONTRIBUTORY CAUSE OF DEATH	- Heart Atrium Thrombosis;Kidney Nephropathy;Pituitary Gland Pars Distalis Adenoma;Stomach;Forestomach	Ulcer	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 169

TRT#: 7

SEX: Male

DAY ON TEST: 735

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202999

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Epididymis		Atrophy	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-4: Mononuclear Cell Leukemia]	Vacuolization Cytoplasmic	Minimal
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Lymph Node, Mesenteric		Ectasia	Moderate
	[Ectasia TGLS = 7-6: Ectasia, Moderate]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 6-7: Hyperplasia, Pars Distalis, Mild]		
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Cyst	Mild
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 169	TRT#: 7	SEX: Male	DAY ON TEST: 735
	DOSE: 240 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202999

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Atrophy	Moderate
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
	[Fibrosis TGLS = 5-12: Fibrosis, Moderate]		
	[Leukemia Mononuclear TGLS = 4-1: Mononuclear Cell Leukemia]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2,3-10: Adenoma, Interstitial Cell, Bilateral]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 170

TRT#: 7

SEX: Male

DAY ON TEST: 525

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203000

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Atrophy	Marked
* Kidney		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Lymph Node, Mesenteric		Ectasia	Moderate
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]		
* Thymus		Thymoma Benign	
Zymbal's Gland		Carcinoma	
	[Carcinoma TGLS = 1-12+13+14+15: Carcinoma]		

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 171

TRT#: 7

SEX: Male

DAY ON TEST: 561

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 2-12: Pheochromocytoma, Malignant]			
* Bone Marrow		Hyperplasia	Mild
* Epididymis		Atrophy	Moderate
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Congestion	Acute, Marked
	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 3-10: Inflammation, Chronic-Active, Mild]			
* Prostate		Inflammation	Chronic Active, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]			

PRIMARY CAUSE OF DEATH - Adrenal Medulla Pheochromocytoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 172

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203002

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
* Brain		Hydrocephalus	Mild
Coagulating Gland		Inflammation	Chronic Active, Mild
* Epididymis		Atrophy	Marked
* Heart	Atrium	Thrombosis	Marked
	[Thrombosis TGLS = 6-4: Thrombosis, Atrium, Marked]		
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Marked]		
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Necrosis	Mild
	[Hepatodiaphragmatic Nodule TGLS = 5-12: Hepatodiaphragmatic Nodule]	Vacuolization Cytoplasmic	Marked
	[Vacuolization Cytoplasmic TGLS = 4-4: Vacuolization,Cytoplasm,Hepatocyte,Marked]		
* Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Marked
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 172	TRT#: 7	SEX: Male	DAY ON TEST: 730
	DOSE: 240 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203002

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis	Pigmentation	Hemosiderin, Mild
[Adenoma TGLS = 7-7: Adenoma, Pars Distalis]		
* Preputial Gland	Inflammation	Chronic Active, Mild
* Prostate	Atrophy	Marked
	Inflammation	Chronic Active, Mild
* Seminal Vesicle	Atrophy	Marked
* Spleen	Fibrosis	Moderate
	Hematopoietic Cell Proliferation	Mild
[Fibrosis TGLS = 1-1: Fibrosis, Moderate]		
* Testes	Germinal Epith	Atrophy
[Atrophy TGLS = 2-10: Atrophy, Germinal Epithelium, Marked]		Marked
* Thyroid Gland	C Cell	Hyperplasia
		Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH - Brain Hydrocephalus;Heart Atrium Thrombosis;Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 173

TRT#: 7

DOSE: 240 MG/KG

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 480

HISTO: 9203003

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Hemorrhage	Acute, Marked
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-12: HDN]			
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Mild
[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Testes	Interstitial Cell	Adenoma	
[Adenoma TGLS = 3-10: Adenoma, Interstitial Cell]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 174

TRT#: 7

SEX: Male

DAY ON TEST: 382

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203004

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Chronic, Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Skin	Epidermis, SOA	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: CAUSE OF DEATH: UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 175

TRT#: 7

SEX: Male

DAY ON TEST: 735

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203005

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
Blood Vessel		Mineralization	Minimal
* Bone		Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Epididymis		Atrophy	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
		[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Marked]	
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 175

TRT#: 7

SEX: Male

DAY ON TEST: 735

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203005

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
Oral Mucosa	Gingival	Inflammation	Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
[Adenoma TGLS = 5-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 1-10: Inflammation, Chronic-Active, Mild]			
* Prostate		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 3-11: Inflammation, Chronic-Active, Marked]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12: Mononuclear Cell Leukemia]			
* Stomach, Glandular		Mineralization	Moderate
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild
	Artery	Inflammation	Chronic, Mild
[Adenoma TGLS = 6-10: Adenoma, Interstitial Cell]			
[Hyperplasia TGLS = 6-10: Hyperplasia, Interstitial Cell, Mild]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 176

TRT#: 7

DOSE: 240 MG/KG

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 433

HISTO: 9203006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Small, Jejunum		Carcinoma	
[Carcinoma TGLS = 2,3-12+13: Mucinous Carcinoma, Jejunum]			
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell]			

PRIMARY CAUSE OF DEATH - Intestine Small, Jejunum Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 177

TRT#: 7

SEX: Male

DAY ON TEST: 687

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone		Fibrous Osteodystrophy	Marked
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Atrophy	Marked
* Heart		Cardiomyopathy	Chronic, Moderate
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Chronic, Marked
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
	[Inflammation TGLS = 1-10: Inflammation, Chronic-Active, Mild]		
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular		Mineralization	Moderate
* Testes	Germinal Epith	Atrophy	Marked
	[Atrophy TGLS = 2-10: Atrophy, Germinal Epithelium, Marked]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 177

TRT#: 7

SEX: Male

DAY ON TEST: 687

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203007

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 178

TRT#: 7

SEX: Male

DAY ON TEST: 541

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203008

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Epididymis		Atrophy	Marked
* Intestine Small, Ileum		Parasite Metazoan	
* Kidney		Infarct	Mild
		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Skin	Epidermis, SOA	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 178

TRT#: 7

SEX: Male

DAY ON TEST: 541

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203008

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL#1-12: Scabs noted on epidermal surface histopathologically. Epidermis slightly thickened but intact with no evidence of inflammation observed.

[Hyperplasia TGLS = TGL#1-12:Hyperplasia,Mild,Epidermis,Skin Soa]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-1: Mononuclear Cell Leukemia]

* Testes

Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Minimal

Note: TGL#2-10-NCL: Size of testes considered to be WNL histopathologically.

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 179

TRT#: 7

SEX: Male

DAY ON TEST: 669

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203009

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Brain		Hydrocephalus	Mild
* Heart	Atrium	Cardiomyopathy	Chronic, Moderate
	[Thrombosis TGLS = 5-12: Thrombosis, Atrium, Marked]	Thrombosis	Marked
* Kidney	Cortex	Cyst	Mild
	[Nephropathy TGLS = 6-1: Nephropathy, Chronic, Marked]	Nephropathy	Chronic, Marked
* Liver	Bile Duct	Degeneration	Cystic, Minimal
	Note: TGL#4-13: Deformity, recorded at necropsy, not apparent histopathologically.	Hyperplasia	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]	Pigmentation	Hemosiderin, Mild
* Preputial Gland		Cyst	Moderate
	[Cyst TGLS = 2-10: Cyst, Moderate]	Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 179	TRT#: 7	SEX: Male	DAY ON TEST: 669
	DOSE: 240 MG/KG	DISP: Natural Death	HISTO: 9203009

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate [Inflammation TGLS = 3-11: Inflammation, Chronic-Active, Moderate]		Inflammation	Chronic Active, Moderate
* Spleen	Red Pulp	Depletion Cellular Pigmentation	Marked Hemosiderin, Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Interstit Cell Artery	Hyperplasia Inflammation	Minimal Chronic, Minimal

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Brain Hydrocephalus;Pituitary Gland Pars Distalis Adenoma;Prostate Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 180

TRT#: 7

SEX: Male

DAY ON TEST: 562

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203010

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
		Angiectasis	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 180	TRT#: 7	SEX: Male	DAY ON TEST: 562
	DOSE: 240 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203010

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis [Adenoma TGLS = 4-7: Adenoma, Pars Distalis, Multiple]	Pigmentation	Hemosiderin, Mild
* Preputial Gland [Inflammation TGLS = 2-10: Inflammation, Chronic-Active, Moderate]	Inflammation	Chronic Active, Moderate
* Prostate	Inflammation	Chronic Active, Moderate
* Spleen [Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]	Leukemia Mononuclear Leukemia Mononuclear	
* Stomach, Glandular [Necrosis TGLS = 5-6: Necrosis, Mild]	Necrosis	Mild
* Testes	Interstit Cell	Minimal
* Thyroid Gland	Follicle	Mild
	C Cell	Minimal

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 181

TRT#: 7

SEX: Male

DAY ON TEST: 594

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Atrophy	Moderate
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]			
* Liver		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
		Necrosis	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Necrosis TGLS = 4-4: Necrosis, Moderate]			
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Lymph Node	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
	Pars Distalis	Pigmentation	Hemosiderin, Mild
[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 181	TRT#: 7	SEX: Male	DAY ON TEST: 594
	DOSE: 240 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203011

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
* Testes	Germinal Epith	Atrophy	Mild
[Atrophy TGLS = 3-10: Atrophy, Germinal Epithelium, Mild]			

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy;Liver Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Pancreas	* Salivary Glands	* Seminal Vesicle
* Testes	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone		Fibrous Osteodystrophy	Marked
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 6-1: Nephropathy, Chronic, Marked]		
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 5-12: Hepatodiaphragmatic Nodule]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Lymph Node, Mesenteric		Ectasia	Mild
	[Ectasia TGLS = 8-15: Ectasia, Mild]		
* Mammary Gland		Hyperplasia	Cystic, Moderate
	Note: Mammary gland mass, noted at necropsy, is cutaneous fibroma histopathologically. TGL1-14.		
* Parathyroid Gland		Hyperplasia	Mild
	[Hyperplasia TGLS = 7-7: Hyperplasia, Mild]		
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203012

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]		
* Preputial Gland		Cyst	Marked
		Inflammation	Chronic Active, Mild
	[Cyst TGLS = 3-10: Cyst, Marked]		
* Prostate		Inflammation	Chronic Active, Mild
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 1-14: Fibroma, Subcutaneous Tissue]		
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
	[Fibrosis TGLS = 4-13: Fibrosis, Moderate]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Moderate
		Ulcer	Marked
	[Hyperplasia TGLS = 9-6: Hyperplasia, Epithelium, Moderate]		
	[Ulcer TGLS = 9-6: Ulcer, Marked]		
* Stomach, Glandular		Mineralization	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma;Spleen Leukemia Mononuclear;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 183

TRT#: 7

SEX: Male

DAY ON TEST: 735

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Chronic, Moderate
* Kidney		Leukemia Mononuclear	
	[Nephropathy TGLS = 1-1: Nephropathy, Chronic, Moderate]	Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
* Lung	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Interstitialium	Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Lymph Node, Mesenteric		Ectasia	Mild
	[Ectasia TGLS = 4-6: Ectasia, mild]		
Oral Mucosa	Pharyngeal	Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLS = 2-12]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 183

TRT#: 7

SEX: Male

DAY ON TEST: 735

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203013

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

* Testes

Bilateral, Interstit Cell
Artery

Adenoma

Inflammation

Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 184

TRT#: 7

SEX: Male

DAY ON TEST: 679

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203014

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone		Fibrous Osteodystrophy	Mild
* Bone Marrow		Hyperplasia	Marked
Coagulating Gland		Inflammation	Chronic Active, Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney	Cortex	Cyst	Moderate
		Nephropathy	Chronic, Marked
	[Cyst TGLS = 8-1: Cyst, Cortex, Moderate]		
	[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Marked]		
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland	Duct	Cyst	Marked
		Hyperplasia	Cystic, Moderate
	[Cyst TGLS = 3-13: Cyst, Duct, Marked]		
	[Hyperplasia TGLS = 2-14: Hyperplasia, Cystic, Moderate]		
* Pancreas	Acinus	Atrophy	Moderate
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:25

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 184

TRT#: 7

DOSE: 240 MG/KG

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 679

HISTO: 9203014

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-7: Adenoma, Pars Distalis, Multiple]

* Preputial Gland

Inflammation

Chronic Active, Mild

[Inflammation TGLS = 1-10: Inflammation, Chronic-Active, Mild]

* Prostate

Cyst

Moderate

Inflammation

Chronic Active, Marked

[Inflammation TGLS = 5-12: Inflammation, Chronic-Active, Marked]

* Spleen

Red Pulp

Depletion Cellular

Marked

Pigmentation

Hemosiderin, Moderate

* Stomach, Forestomach

Epithelium

Hyperplasia

Moderate

Inflammation

Chronic Active, Moderate

Ulcer

Marked

* Testes

Bilateral, Interstit Cell

Adenoma

Artery

Inflammation

Chronic, Minimal

[Adenoma TGLS = 7-10: Adenoma, Interstitial Cell, Bilateral]

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Coagulating Gland Inflammation; Pituitary Gland Pars Distalis Adenoma; Prostate Inflammation; Stomach; Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 185

TRT#: 7

SEX: Male

DAY ON TEST: 556

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
		Hyperplasia	Marked
* Brain		Leukemia Mononuclear	
* Heart		Hemorrhage	Acute, Moderate
* Islets, Pancreatic		Cardiomyopathy	Chronic, Minimal
* Kidney		Adenoma	
		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	[Nephropathy TGLS = 1-1: Nephropathy, Chronic, Mild]		
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4: Mononuclear Cell Leukemia]		
* Lung		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Nose		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
* Preputial Gland		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 185

TRT#: 7

SEX: Male

DAY ON TEST: 556

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203015

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-1: Mononuclear Cell Leukemia]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Marked
		Ulcer	Marked
[Hyperplasia TGLS = 4-6: Hyperplasia, Epithelium, Moderate]			
[Ulcer TGLS = 4-6: Ulcer, Marked]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Brain Hemorrhage;Pituitary Gland Pars Distalis Adenoma;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:25
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 186

TRT#: 7

SEX: Male

DAY ON TEST: 530

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Inflammation	Chronic, Minimal
* Lung		Congestion	Acute, Marked
[Congestion TGLS = 1-2+3: Congestion, Acute, Marked]			
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 187

TRT#: 7

SEX: Male

DAY ON TEST: 590

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone	Femur	Osteosclerosis	Mild
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Epididymis		Atrophy	Moderate
* Heart		Leukemia Mononuclear	
* Kidney		Infarct	Marked
		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
[Infarct TGLS = 3-1: Infarct, Marked]			
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 187

TRT#: 7

SEX: Male

DAY ON TEST: 590

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203017

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
		Ulcer	Marked
* Testes	Germinal Epith	Atrophy	Moderate
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Kidney Infarct;Pituitary Gland Pars Distalis Adenoma;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 188

TRT#: 7

SEX: Male

DAY ON TEST: 652

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Nose
* Pancreas	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Moderate]			
* Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Hepatodiaphragmatic Nodule TGLS = 3-12: Hepatodiaphragmatic Nodule]			
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Lymph Node, Mesenteric		Ectasia	Mild
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Cyst	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Fibrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 188	TRT#: 7	SEX: Male	DAY ON TEST: 652
	DOSE: 240 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203018

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 2-13: Fibrosis, Mild]			
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation Perforation	Moderate Chronic Active, Moderate
[Perforation TGLS = 5-14: Perforation]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy;Stomach;Forestomach Inflammation;Stomach;Forestomach Perforation		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Sodium xylenesulfonate
 CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
 Time Report Requested: 20:20:26
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 702

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Minimal
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Atrophy	Marked
* Heart		Mesothelioma Malignant Cardiomyopathy	Metastatic (Uncertain Primary Site) Chronic, Mild
* Kidney		Mesothelioma Malignant Nephropathy	Metastatic (Uncertain Primary Site) Chronic, Mild
* Liver		Basophilic Focus Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Moderate
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
[Mesothelioma Malignant TGLS = 4-12: Malignant Mesothelioma]			
* Nose		Inflammation	Chronic Active, Minimal
* Pancreas		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
Peritoneum		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
		Pigmentation	Hemosiderin, Mild
[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 702

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203019

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Spleen		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Stomach, Forestomach		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	Interstit Cell	Hyperplasia	Minimal
		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
	[Adenoma TGLS = 3-10: Adenoma, Interstitial Cell]		
	[Hyperplasia TGLS = 3-10: Hyperplasia, Interstitial Cell, Minimal]		
* Thyroid Gland	Follicle	Cyst	Mild
	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)

PRIMARY CAUSE OF DEATH

- Mesentery Mesothelioma Malignant Uncertain Primary Site

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma;Spleen Mesothelioma Malignant Uncertain Primary Site

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 190

TRT#: 7

SEX: Male

DAY ON TEST: 616

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
* Heart		Leukemia Mononuclear	
	Atrium	Leukemia Mononuclear	
* Kidney		Thrombosis	Marked
		Leukemia Mononuclear	
* Liver		Nephropathy	Chronic, Mild
		Degeneration	Cystic, Mild
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Moderate
	Hepatocyte	Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
	[Hepatodiaphragmatic Nodule TGLS = 2-13: Hepatodiaphragmatic Nodule]		
	[Leukemia Mononuclear TGLS = 3-4: Mononuclear Cell Leukemia]		
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 190	TRT#: 7	SEX: Male	DAY ON TEST: 616
	DOSE: 240 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203020

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach		Inflammation	Chronic Active, Moderate
		Ulcer	Marked
* Stomach, Glandular	Epithelium	Erosion	Moderate
	[Erosion TGLS = 5-12: Erosion, Epithelium, Moderate]		
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
	[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell]		

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Heart Atrium Thrombosis; Pituitary Gland Pars Distalis Adenoma; Stomach; Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 520

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
		Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Pigmentation	Hemosiderin, Mild
* Stomach, Forestomach		Cyst	Moderate
	Epithelium	Hyperplasia	Moderate

Note: Cyst in submucosa lined by glandular epithelium. Choristoma?

[Cyst TGLS = 2-12: Cyst, Moderate]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 702

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Epididymis		Atrophy	Marked
		Leukemia Mononuclear	
* Heart	Atrium	Thrombosis	Marked
	[Thrombosis TGLS = 6-4: Thrombosis, Atrium, Marked]		
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
	[Leukemia Mononuclear TGLS = 3-1: Mononuclear Cell Leukemia]		
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Moderate]		
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-5: Mononuclear Cell Leukemia]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-12: Mononuclear Cell Leukemia]		
* Mammary Gland		Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 702

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203022

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery		Leukemia Mononuclear	
Oral Mucosa	Gingival	Inflammation	Chronic Active, Mild
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Cyst	Mild
		Leukemia Mononuclear	
	Pars Distalis	Pigmentation	Hemosiderin, Mild
[Adenoma TGLS = 7-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
Note: TGL#2-10-NCL: Size of testes considered to be essentially WNL histopathologically.			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Bilateral, C Cell	Adenoma	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy; Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Sodium xylenesulfonate
 CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
 Time Report Requested: 20:20:26
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 193

TRT#: 7

SEX: Male

DAY ON TEST: 582

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Brain		Hydrocephalus	Moderate
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Interstitial	Inflammation	Chronic Active, Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Adenoma TGLS = 1-12: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hydrocephalus;Prostate Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 735

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Degeneration Hyperplasia	Mild Fatty, Mild Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
* Kidney	Cortex	Leukemia Mononuclear Cyst Leukemia Mononuclear Nephropathy	Moderate Moderate Chronic, Moderate
	[Nephropathy TGLS = 6-1: Nephropathy, Chronic, Moderate]		
* Liver		Basophilic Focus Degeneration Hyperplasia Inflammation	Cystic, Minimal Mild Chronic, Minimal
	Bile Duct	Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-15: Mononuclear Cell Leukemia]		
* Mammary Gland	Duct	Cyst Hyperplasia Inflammation	Marked Cystic, Moderate Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 194

TRT#: 7

DOSE: 240 MG/KG

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 9203024

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 2,3-12+13: Cyst, Duct, Marked]

* Pancreas	Acinus	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Cyst	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
[Adenoma TGLS = 8-7: Adenoma, Pars Distalis]			
* Preputial Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-14: Hyperplasia, Mild]			
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-1: Mononuclear Cell Leukemia]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 4-10: Adenoma, Interstitial Cell]			
[Hyperplasia TGLS = 4-10: Hyperplasia, Interstitial Cell]			
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 7-7: Carcinoma, Follicular Cell]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 195

TRT#: 7

SEX: Male

DAY ON TEST: 567

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Brain		Hydrocephalus	Moderate
* Epididymis		Atrophy	Marked
* Islets, Pancreatic		Carcinoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 3-12: Hepatodiaphragmatic Nodule]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Prostate		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 195	TRT#: 7	SEX: Male	DAY ON TEST: 567
	DOSE: 240 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203025

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]

* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal

[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell]

* Thyroid Gland	C Cell	Hyperplasia	Minimal
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PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Brain Hydrocephalus;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 527

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203026

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
		Angiectasis	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Prostate		Inflammation	Chronic Active, Mild
* Skin	Subcut Tiss	Fibroma	

[Fibroma TGLS = 1-12]

PRIMARY CAUSE OF DEATH

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CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 197

TRT#: 7

SEX: Male

DAY ON TEST: 719

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
* Heart	Atrium	Thrombosis	Marked
	[Thrombosis TGLS = 8-4: Thrombosis, Atrium, Marked]		
* Kidney	Cortex	Cyst	Moderate
	[Cyst TGLS = 9-1: Cyst, Cortex, Moderate]	Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Mild
	Hepatocyte	Leukemia Mononuclear	
	[Hyperplasia TGLS = 7-4: Hyperplasia, Hepatocyte, Mild]	Vacuolization Cytoplasmic	Marked
	[Vacuolization Cytoplasmic TGLS = 6-4: Vacuolization, Cytoplasm, Hepatocyte, Marked]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Thrombosis	Mild
Lymph Node	Mediastinal	Atrophy	Moderate
	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Lymph Node, Mesenteric		Atrophy	Moderate
		Inflammation	Granulomatous, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 197

TRT#: 7

SEX: Male

DAY ON TEST: 719

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203027

ORGAN AND ACCOUNTABLE SITE STATUS

Note: only one preputial gland available for histopathologic examination.

[Inflammation TGLS = 1-10: Inflammation, Chronic-Active, Moderate]

* Prostate		Inflammation	Chronic Active, Marked
	[Inflammation TGLS = 4-12: Inflammation, Chronic-Active, Marked]		
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLS = 5-1: Hematopoietic Cell Proliferation, Moderate]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Marked
		Ulcer	Marked

Note: Perforation of forestomach wall observed at one point within the the ulcerated area.

[Hyperplasia TGLS = 12-6]

[Ulcer TGLS = 11-13: Ulcer, Marked]

* Testes	Bilateral, Interstit Cell	Adenoma	
	Note: TGL#3-10: Small size is due to atrophy of seminiferous tubules. This is not diagnosed when in conjunction with an interstitial cell adenoma per client directive		
	[Adenoma TGLS = 2,3,10-10: Adenoma, Interstitial Cell, Bilateral]		

* Thyroid Gland	C Cell	Hyperplasia	Minimal
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PRIMARY CAUSE OF DEATH - Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH - Heart Atrium Thrombosis;Liver Leukemia Mononuclear;Prostate Inflammation;Stomach;Forestomach Inflammation;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 198

TRT#: 7

SEX: Male

DAY ON TEST: 631

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203028

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Brain		Hemorrhage	Acute, Mild
* Epididymis		Atrophy	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Moderate]		
* Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Interstitium	Inflammation	Chronic Active, Mild
	[Infiltration Cellular TGLS = 3-2:Infiltrating Cell,Histiocyte,Alveolus,Minimal]		
	[Inflammation TGLS = 3-2:Inflammation,Interstitium,Chr-Act,Mild]		
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 198	TRT#: 7	SEX: Male	DAY ON TEST: 631
	DOSE: 240 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203028

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Moderate
		Ulcer	Marked
	[Hyperplasia TGLS = 4-6: Hyperplasia, Epithelium, Moderate]		
	[Ulcer TGLS = 4-6: Ulcer, Marked]		
* Testes	Germinal Epith	Atrophy	Mild
	Artery	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 199

TRT#: 7

DOSE: 240 MG/KG

SEX: Male

DISP: Natural Death

DAY ON TEST: 714

HISTO: 9203029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Chronic, Moderate
* Kidney	Cortex	Cyst	Mild
		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
		[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Moderate]	
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
Oral Mucosa	Gingival	Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 714

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203029

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]

[Cyst TGLS = 3-7: Cyst, Pars Distalis, Moderate]

* Preputial Gland

Inflammation

Chronic Active, Mild

* Spleen

Leukemia Mononuclear

* Testes

Bilateral, Interstit Cell

Leukemia Mononuclear

Adenoma

[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203030

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Cortex	Cyst	Mild
		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
		[Nephropathy TGLS = 3-1:Nephropathy, Chronic, Marked]	
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Nose		Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
		Angiectasis	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
		[Adenoma TGLS = 4-7: Adenoma, Pars Distalis, Multiple]	
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Prostate		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 200	TRT#: 7	SEX: Male	DAY ON TEST: 726
	DOSE: 240 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203030

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation Leukemia Mononuclear	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Germinal Epith Artery	Atrophy Inflammation	Minimal Chronic, Minimal
Note: TGL#2-10-NCL: No evidence of interstitial hyperplasia or neoplasia histopathologically.			
* Thyroid Gland	C Cell	Adenoma	
Zymbal's Gland		Carcinoma	

[Carcinoma TGLS = 1-12: Carcinoma]

PRIMARY CAUSE OF DEATH	- Zymbal's Gland Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy; Pituitary Gland Pars Distalis Adenoma; Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 201

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202931

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Brain		Hydrocephalus	Moderate
* Clitoral Gland		Inflammation	Chronic Active, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 1-4: Hepatodiaphragmatic Nodule]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
Note: Mammary gland on slide #10			
* Nose	Nasolacrim Dct	Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 201

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202931

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 202

TRT#: 2

SEX: Female

DAY ON TEST: 674

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202932

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus
Vagina			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Bone		Osteopetrosis	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Heart	Atrium	Thrombosis	Marked
* Liver	Centrilobular, Hepatocyte	Degeneration	Fatty, Marked
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Moderate
	Central Vein	Thrombosis	Moderate
	[Leukemia Mononuclear TGLS = 2-4: Mononuclear Cell Leukemia]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Hemosiderin, Minimal
	[Leukemia Mononuclear TGLS = 5-2: Mononuclear Cell Leukemia, Mediastinal]		
* Lymph Node, Mesenteric		Ectasia	Moderate
		Inflammation	Suppurative, Moderate
		Leukemia Mononuclear	
	[Ectasia TGLS = 4-11: Ectasia, Moderate]		
	[Inflammation TGLS = 4-11: Inflammation, Suppurative, Moderate]		
	[Leukemia Mononuclear TGLS = 4-11: Mononuclear Cell Leukemia]		
* Mammary Gland		Hyperplasia	Cystic, Moderate
Mesentery	Fat	Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 202

TRT#: 2

SEX: Female

DAY ON TEST: 674

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202932

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]			
* Stomach, Forestomach		Inflammation	Chronic Active, Moderate
		Ulcer	Marked
[Ulcer TGLS = 7-13: Ulcer, Marked]			
* Stomach, Glandular	Epithelium	Hemorrhage	Mild
	Epithelium	Necrosis	Marked
[Hemorrhage TGLS = 6-12: Hemorrhage, Epithelium, Mild]			
[Necrosis TGLS = 6-12: Necrosis, Epithelium, Marked]			
Vagina			
Note: TGL#3-14-NCL: Vagina Considered to be WNL Histopathologically.			

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Heart Atrium Thrombosis;Liver Centrilobular Hepatocyte Degeneration;Liver Necrosis;Liver Central Vein Thrombosis;Stomach;Forestomach Inflammation;Stomach;Forestomach Ulcer;Stomach;Glandular Epithelium Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 203

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202933

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
Note: Mammary gland on slide #10			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Cyst	Mild
* Skin	Pinna	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-11:Squamous Cell Papilloma, Pinna]			
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 204

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202934

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Moderate]		
* Liver		Basophilic Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1,2-11+12: Fibroadenoma, Multiple]		
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Cyst	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]		
* Uterus		Fibroma	
	[Fibroma TGLS = 5-13: Fibroma]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 205

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202935

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Clitoral Gland		Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
	[Hyperplasia TGLS = 3-10: Hyperplasia, Mild]		
	[Inflammation TGLS = 3-10: Inflammation, Chronic-Active, Mild]		
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Lung	Alveolus	Leukemia Mononuclear	
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
	[Fibroadenoma TGLS = 2-11: Fibroadenoma]		
* Pituitary Gland	Pars Distalis	Adenoma	Moderate
		Angiectasis	Mild
	Pars Distalis	Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 205	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO: 9202935
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ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis [Adenoma TGLS = 1-7: Adenoma, Pars Distalis]	Pigmentation	Hemosiderin, Minimal
* Spleen	Leukemia Mononuclear	
* Thyroid Gland	Adenoma	
* Uterus [Polyp Stromal TGLS = 4-12: Stromal Polyp]	Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 206

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202936

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Salivary Glands	* Skin
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Minimal
		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Marked
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Marked]		
* Liver		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Marked
	[Vacuolization Cytoplasmic TGLS = 2-4: Vacuolization Cytoplasm, Hepatocyte, Marked]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		Mineralization	Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
* Pancreas	Artery	Inflammation	Chronic Active, Moderate
* Parathyroid Gland		Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 206	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO: 9202936
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma Angiectasis Mineralization Pigmentation	Moderate Mild Hemosiderin, Minimal
[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]	Pars Distalis		
* Spleen		Hematopoietic Cell Proliferation Leukemia Mononuclear	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 4-11]			
* Stomach, Glandular		Mineralization Necrosis	Moderate Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Sodium xylenesulfonate
 CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
 Time Report Requested: 20:20:26
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 207

TRT#: 2

SEX: Female

DAY ON TEST: 591

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202937

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Brain		Hydrocephalus	Moderate
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Pigmentation	Melanin, Mild
[Hepatodiaphragmatic Nodule TGLS = 1,2-11+12: Hepatodiaphragmatic Nodule]			
* Lung		Congestion	Acute, Marked
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Mild
		Pigmentation	Hematoidin, Mild
[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma
 CONTRIBUTORY CAUSE OF DEATH - Brain Hydrocephalus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 208

TRT#: 2

DOSE: 0 MG/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 692

HISTO: 9202938

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 3-11: Hepatodiaphragmatic Nodule]		
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
	[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]	Pigmentation	Hemosiderin, Moderate

* Uterus
Note: TGL#2-10-NCL: Uterus considered to be WNL Histopathologically.

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: TGL#1-10-NCL: Ovaries considered to be WNL histopathologically.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 208

TRT#: 2

SEX: Female

DAY ON TEST: 692

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202938

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 209

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202939

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia Pigmentation	Fatty, Moderate Mild Lipofuscin, Minimal
* Clitoral Gl			
Note: TGL#1-10-NCL: Clitoral glands considered to be WNL histopathologically.			
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Moderate]			
* Liver		Basophilic Focus Inflammation Vacuolization Cytoplasmic	Chronic, Minimal Minimal
	Hepatocyte	Congestion	Acute, Moderate
* Lung		Pigmentation	Hemosiderin, Mild
Lymph Node	Mediastinal	Hyperplasia	Cystic, Mild
* Mammary Gland		Atrophy	Minimal
* Pancreas	Acinus	Adenoma	
* Pituitary Gland	Pars Distalis	Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 210

TRT#: 2

SEX: Female

DAY ON TEST: 575

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202940

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Pigmentation	Hemosiderin, Mild
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Congestion TGLS = 1-2+3: Congestion, Acute, Marked]		
	Lymph Node	Pigmentation	Hemosiderin, Mild
* Mammary Gland	Mediastinal	Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]		
* Spleen		Leukemia Mononuclear	

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 211

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 718
HISTO: 9202941

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Chronic, Moderate
		Leukemia Mononuclear	
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Moderate
	Hepatocyte	Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
	[Hyperplasia TGLS = 2-4: Hyperplasia,Hepatocyte,Moderate]		
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 1-7: Hyperplasia, Pars Distalis, Mild]		
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 212

TRT#: 2

SEX: Female

DAY ON TEST: 656

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202942

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Congestion TGLS = 2-2+3: Congestion, Acute, Marked]		
	Lymph Node	Pigmentation	Hemosiderin, Minimal
* Mammary Gland	Mediastinal	Hyperplasia	Cystic, Minimal
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 213

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 657
HISTO: 9202943

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Hepatodiaphragmatic Nodule TGLS = 1-11: Hepatodiaphragmatic Nodule]		
* Lung		Congestion	Acute, Marked
		Leukemia Mononuclear	
	[Congestion TGLS = 2-2+3: Congestion, Acute, Marked]		
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Cyst	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 213

TRT#: 2

SEX: Female

DAY ON TEST: 657

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202943

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]

* Spleen

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 214

TRT#: 2

SEX: Female

DAY ON TEST: 490

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202944

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Inflammation	Chronic, Minimal
* Lung		Congestion	Acute, Marked
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Nose		Inflammation	Chronic Active, Moderate
Note: FUNGAL HYPHAE ASSOCIATED WITH INFLAMMATION INVOLVING NASAL CAVITY.			
* Thymus		Cyst	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: CAUSE OF DEATH: UNDETERMINED. SUSPECT ASPHYXIATION SECONDARY TO INGESTA LODGED A ROUND EPIGLOTTIS AND IN TRACHEA. CAUSE OF INGESTA IN THIS AREA NOT DETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 215

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202945

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Heart		Cardiomyopathy	Chronic, Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
		Pigmentation	Hemosiderin, Mild

[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]

* Spleen

Note: TGL#1-1-NCL: Spleen deformity not apparent histopathologically.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 216

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 629
HISTO: 9202946

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hyperplasia	Minimal
		Pigmentation	Lipofuscin, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Leukemia Mononuclear	
* Liver	Centrilobular, Hepatocyte	Degeneration	Fatty, Marked
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Minimal
		Leukemia Mononuclear	
		[Degeneration TGLS = 4-4: Degen, Hepatocel, Centrilobular, Fatty, Marked]	
		[Hepatodiaphragmatic Nodule TGLS = 3-12: Hepatodiaphragmatic Nodule]	
		[Leukemia Mononuclear TGLS = 4-4: Mononuclear Cell Leukemia]	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
	Renal	Pigmentation	Hemosiderin, Moderate
		[Pigmentation TGLS = 5-11: Pigment, Hemosiderin, Renal, Moderate]	
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Ovary			
Note: only one ovary available for histopathologic examination.			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 216	TRT#: 2	SEX: Female	DAY ON TEST: 629
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 9202946

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis	Pigmentation	Hemosiderin, Mild
[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]		

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 217

TRT#: 2

SEX: Female

DAY ON TEST: 485

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202947

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
		Leukemia Mononuclear	
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 1-7]		
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 217

TRT#: 2

SEX: Female

DAY ON TEST: 485

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202947

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-11: Mononuclear Cell Leukemia]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 218

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 736
HISTO: 9202948

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Bone Marrow		Hyperplasia	Marked
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 4-11: Hepatodiaphragmatic Nodule]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Interstitialium	Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1-12: Fibroadenoma]		
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 218

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 736
HISTO: 9202948

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-1: Mononuclear Cell Leukemia]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 219

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202949

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
Tooth	Peridont Tiss	Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 220

TRT#: 2

SEX: Female

DAY ON TEST: 646

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202950

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Bone Marrow		Hyperplasia	Marked
* Heart	Atrium	Thrombosis	Marked
	[Thrombosis TGLS = 2-4: Thrombosis, Atrium, Marked]		
* Intestine Small, Duodenum		Ulcer	Moderate
* Kidney		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Mild
		Necrosis	Moderate
		Pigmentation	Hemosiderin, Mild
	[Necrosis TGLS = 1-4: Necrosis, Moderate]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
	[Cyst TGLS = 3-7: Cyst, Pars Distalis, Moderate]		
* Spleen		Fibrosis	Mild
		Pigmentation	Hemosiderin, Mild
* Stomach, Glandular	Epithelium	Erosion	Moderate
	[Erosion TGLS = 4-11: Erosion, Epithelium, Moderate]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 220

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 646
HISTO: 9202950

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Necrosis

CONTRIBUTORY CAUSE OF DEATH

- Heart Atrium Thrombosis;Intestine Small;Duodenum Ulcer;Pituitary Gland Pars Distalis Adenoma;Pituitary Gland Pars Distalis Cyst

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 221

TRT#: 2

SEX: Female

DAY ON TEST: 420

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202951

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Hydrocephalus	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Chronic Active, Mild
	Epidermis, SOA	Ulcer	Moderate

Note: SKIN LESIONS OBSERVED HISTOLOGICALLY ARE ASSOCIATED WITH CLIPPER INJURY AS REPORTED CLINICALLY.

[Inflammation TGLS = 2-11: Inflammation, Chronic-Active, Mild]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 222

TRT#: 2

SEX: Female

DAY ON TEST: 605

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202952

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic Active, Mild
Eye			
Note: TGL#1-11-NCL: Eye considered to be WNL Histopathologically.			
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal

[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH - Islets;Pancreatic Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 223

TRT#: 2

SEX: Female

DAY ON TEST: 488

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202953

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Clitoral Gland

OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Minimal
* Lung		Congestion	Acute, Marked
[Congestion TGLS = 1-2+3: CONGESTION, ACUTE, MARKED]			
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: CAUSE OF DEATH: UNDETERMINED. SUSPECT ASPHYXIATION SECONDARY TO INGESTA LODGED A ROUND EPIGLOTTIS AND IN TRACHEA. CAUSE OF INGESTA IN THIS AREA NOT DETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 224

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202954

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Moderate
	[Fibroadenoma TGLS = 1,2-12+13: Fibroadenoma, Multiple]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
		Angiectasis	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 4-7: Adenoma, Pars Distalis, Multiple]		
* Uterus		Cyst	Marked
	[Cyst TGLS = 5-11: Cyst, Marked]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 225

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202955

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Leukemia Mononuclear	Moderate
		[Accessory Adrenal Cortical Nodule TGLS = 7-11: Accessory Adrenal Cortical Nodule, Moderate]	
* Bone Marrow		Hyperplasia Leukemia Mononuclear	Marked
* Clitoral Gland		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Minimal
* Lung		Leukemia Mononuclear	
Lymph Node	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-15: Mononuclear Cell Leukemia]	
		[Leukemia Mononuclear TGLS = 9-17: Mononuclear Cell Leukemia]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-14: Mononuclear Cell Leukemia]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-16: Mononuclear Cell Leukemia]	
* Mammary Gland		Fibroadenoma Hyperplasia	Multiple Cystic, Moderate

Note: Mammary gland tissue on Slides #07I & 10.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 225	TRT#: 2	SEX: Female	DAY ON TEST: 736
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202955

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1,6-12+13: Fibroadenoma, Multiple]			
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pancreas	Acinus	Atrophy	Minimal
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	Pars Distalis	Pigmentation	Hemosiderin, Mild
[Adenoma TGLS = 5-7]			
[Leukemia Mononuclear TGLS = 5-7: Mononuclear Cell Leukemia]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]			
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 226

TRT#: 2

SEX: Female

DAY ON TEST: 545

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202956

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
* Lung		Congestion	Acute, Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Interstitial	Inflammation	Chronic Active, Mild
[Congestion TGLS = 1-2+3: Congestion, Acute, Moderate]			
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 227

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 393
HISTO: 9202957

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid GI			
Note: Parathyroid gland present on original slide #07			
* Skin	Subcut Tissue	Schwannoma Malignant	
[Schwannoma Malignant TGLS = 1-11: Malignant Schwannoma]			

PRIMARY CAUSE OF DEATH - Skin Subcut Tissue Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 228

TRT#: 2

SEX: Female

DAY ON TEST: 420

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202958

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Carcinoma	Metastatic (Pituitary Gland)
		Hydrocephalus	Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pituitary Gland		Angiectasis	Marked
	Pars Distalis	Carcinoma	

[Carcinoma TGLS = 1-7: Carcinoma, Pars Distalis]

* Stom Gland

Note: TGL#2-11-NCL: Nodules, Noted At Trim, Not Apparent Histopathologically.

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Carcinoma Pituitary Gland;Brain Hydrocephalus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 229

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202959

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
		Pigmentation	Hemosiderin, Mild

[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 230

TRT#: 2

SEX: Female

DAY ON TEST: 698

DOSE: 0 MG/KG

DISP: Accidentally Killed

HISTO: 9202960

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart	Atrium	Thrombosis	Marked
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver	Centrilobular, Hepatocyte	Degeneration	Fatty, Marked
	Hepatocyte	Hepatodiaphragmatic Nodule	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Mild
			[Degeneration TGLS = 5-4:Degen,Fatty,Hepatocyte,Centrilobular,Marked]
			[Hepatodiaphragmatic Nodule TGLS = 3-11]
			[Hyperplasia TGLS = 3,4-11+12: Hyperplasia, Hepatocyte, Moderate]
			[Leukemia Mononuclear TGLS = 5-4: Mononuclear Cell Leukemia]
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Lymph Node, Mesenteric		Pigmentation	Hemosiderin, Mild
			[Pigmentation TGLS = 2-6: Pigment, Hemosiderin, Mild]
* Mammary Gland		Fibroadenoma	
			[Fibroadenoma TGLS = 6-13: Fibroadenoma]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 230	TRT#: 2	SEX: Female	DAY ON TEST: 698
	DOSE: 0 MG/KG	DISP: Accidentally Killed	HISTO: 9202960

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Chronic Active, Mild
* Pancreas			
Note: TGL2-6: Pancreatic nodule, observed at necropsy, is mesenteric lymph node containing hemosiderin pigment histopathologically.			
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
		Angiectasis	Mild
	Pars Distalis	Cyst	Mild
		Leukemia Mononuclear	
	Pars Distalis	Pigmentation	Hemosiderin, Mild
[Adenoma TGLS = 7-7: Adenoma, Multiple, Pars Distalis]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Moderate
		Ulcer	Marked
[Ulcer TGLS = 8-14: Ulcer, Marked]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: Animal was accidentally killed.

Animal Note: COD: Accidental - Drowning.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 231

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Pigmentation	Hemosiderin, Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 232

TRT#: 2

SEX: Female

DAY ON TEST: 708

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11: Fibroadenoma]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
	Pars Distalis	Cyst	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 233

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202963

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Atypia Cellular	Mild
	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 234

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Interstitium	Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
		Angiectasis	Moderate
	Pars Distalis	Cyst	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 3-7: Adenoma, Pars Distalis, Multiple]		
* Spleen		Accessory Spleen	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 234	TRT#: 2	SEX: Female	DAY ON TEST: 736
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202964

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
[Accessory Spleen TGLS = 2-11: Accessory Spleen]			
[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 235

TRT#: 2

SEX: Female

DAY ON TEST: 303

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202965

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- | | | | |
|--|---------------|-----------------------|----------------------|
| * Brain | | Astrocytoma Malignant | |
| * Intestine Large, Rectum | | Parasite Metazoan | |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Chronic, Minimal |
| * Lym Node Mesen | | | |
| Note: TGL#1-6-NCL: Mesenteric Lymph Node Considered To Be WNL Histopathologically. | | | |
| Lymph Node | Mediastinal | Pigmentation | Hemosiderin, Minimal |
| * Pituitary Gland | Pars Distalis | Cyst | Minimal |

PRIMARY CAUSE OF DEATH

- Brain Astrocytoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 236

TRT#: 2

SEX: Female

DAY ON TEST: 693

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia	Fatty, Minimal Mild
Note: TGL#2-7-NCL: Overall size of both adrenal glands considered to be WNL histopathologically.			
* Bone Marrow		Hyperplasia	Marked
* Brain		Hydrocephalus	Moderate
Eye	Cornea	Inflammation	Suppurative, Moderate
[Inflammation TGLS = 3-11:Inflammation,Cornea,Suppurative,Moderate]			
* Kidney		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule Hyperplasia	Minimal
[Hepatodiaphragmatic Nodule TGLS = 1-12: Hepatodiaphragmatic Nodule]			
* Lung		Congestion Inflammation	Acute, Marked Suppurative, Marked
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis Pigmentation	Marked Hemosiderin, Mild
[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 236

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 693
HISTO: 9202966

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Hemosiderin, Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Brain Hydrocephalus;Lung Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 237

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 736
HISTO: 9202967

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Interstitium	Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
		[Fibroadenoma TGLS = 1-12: Fibroadenoma]	
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Spleen		Accessory Spleen	
		Leukemia Mononuclear	
		[Accessory Spleen TGLS = 2-11: Accessory Spleen]	
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 237

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202967

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 238

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 408
HISTO: 9202968

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone	Humerus	Osteosarcoma	
	[Osteosarcoma TGLS = 1-11+12: Osteosarcoma, Humerus]		
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Inflammation	Chronic, Minimal
* Lung		Osteosarcoma	Metastatic (Bone)
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Ovary		Cyst	Mild
	[Cyst TGLS = 2-10: Cyst, Mild]		
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Cyst	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland			
	Note: Only One Thyroid Gland Available For Histopathological Examination.		
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 3-10: STROMAL POLYP]		

PRIMARY CAUSE OF DEATH - Bone Humerus Osteosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 239

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202969

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Clitoral Gland		Adenoma	
		Hyperplasia	Mild
[Adenoma TGLS = 1-11: Adenoma]			
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Inflammation	Chronic, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 240

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202970

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Necrosis	Moderate
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart	Atrium	Thrombosis	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver	Centrilobular, Hepatocyte	Degeneration	Fatty, Marked
		Leukemia Mononuclear	
		[Degeneration TGLS = 6-4:Degen,Fatty,Hepatocyte,Centrilobular,Marked]	
		[Leukemia Mononuclear TGLS = 6-4: Mononuclear Cell Leukemia]	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Carcinoma	
		Fibroadenoma	
		Hyperplasia	Cystic, Mild
		[Carcinoma TGLS = 2-12]	
		[Fibroadenoma TGLS = 1-11: Fibroadenoma]	
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Cyst	Mild
		[Adenoma TGLS = 3-7]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 240

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 732
HISTO: 9202970

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen
[Leukemia Mononuclear TGLS = 5-1: Mononuclear Cell Leukemia]

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Adrenal Cortex Necrosis;Heart Atrium Thrombosis;Liver Centrilobular Hepatocyte Degeneration

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 241

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 480
HISTO: 9202971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Hydrocephalus	Mild
* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Mild

[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 242

TRT#: 2

SEX: Female

DAY ON TEST: 548

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9202972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Hyperplasia	Minimal
		Pigmentation	Lipofuscin, Mild
* Brain		Hydrocephalus	Moderate
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
* Lung		Congestion	Acute, Marked
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
		Ultimobranchial Cyst	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hydrocephalus;Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 243

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202973

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Interstitium	Inflammation	Chronic Active, Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland	Duct	Cyst	Marked
		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Moderate
	[Fibroadenoma TGLS = 2,3:13+12: Fibroadenoma, Multiple]		
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
	Note: TGL#6: Lesion not depicted on slide #14.		
	[Squamous Cell Carcinoma TGLS = 6-8: Squamous Cell Carcinoma, Gingival]		
* Ovary		Cyst	Moderate
	[Cyst TGLS = 4-10: Cyst, Moderate]		
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 243	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO: 9202973
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ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Adenoma	
* Uterus		Cyst	Moderate

Note: Cyst contains blood which has undergone organization and mineralization centrally.

[Cyst TGLS = 5-11: Cyst, Moderate]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 244

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202974

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Interstitial	Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 1-7: Hyperplasia, Pars Distalis, Mild]		
* Spleen		Pigmentation	Hemosiderin, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 245

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202975

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Marked
		Inflammation	Chronic Active, Minimal
[Cyst TGLS = 5-10: Cyst, Duct, Marked]			
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Leukemia Mononuclear TGLS = 1-4: Mononuclear Cell Leukemia]			
[Vacuolization Cytoplasmic TGLS = 1-4: Vacuolization, Cytoplasm, Hepatocyte, Mild]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Interstitial	Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
	Pancreatic	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 2-12: Fibroadenoma]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 245	TRT#: 2	SEX: Female	DAY ON TEST: 736
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202975

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery		Mineralization	Moderate
	Fat	Necrosis	Marked
[Necrosis TGLS = 3-11: Necrosis, Fat, Marked]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 4-7: Hyperplasia, Pars Distalis, Mild]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 246

TRT#: 2

DOSE: 0 MG/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 682

HISTO: 9202976

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
Eye	Lens	Cataract	Moderate
	Retina	Degeneration	Moderate
	[Cataract TGLS = 1-12: Cataract, Lens, Moderate]		
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Hepatocyte	Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 3,5-4: Hepatodiaphragmatic Nodule]	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Lymph Node, Mandibular		Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Minimal
	Note: Mammary gland tissue on slide #10.		
	[Fibroadenoma TGLS = 2-11: Fibroadenoma]		
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]		
* Spleen		Pigmentation	Hemosiderin, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 246

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 682
HISTO: 9202976

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 247

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 490
HISTO: 9202977

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 3-4: Hepatodiaphragmatic Nodule]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Minimal
	[Fibroadenoma TGLS = 1-11+12: Fibroadenoma]		
* Ovary		Cyst	Mild
	[Cyst TGLS = 2-10: Cyst, Mild]		
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Mild
* Skin	SOA, Sebaceous GI	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 248

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202978

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Interstitium	Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1-11: Fibroadenoma]		
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
		Angiectasis	Mild
	Pars Distalis	Cyst	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 249

TRT#: 2

DOSE: 0 MG/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 719

HISTO: 9202979

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-4: Mononuclear Cell Leukemia]	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Interstitialium	Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Lymph Node, Mandibular		Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11: Fibroadenoma]	Hyperplasia	Cystic, Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 5-7: Adenoma, Pars Distalis]		
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 249

TRT#: 2

SEX: Female

DAY ON TEST: 719

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9202979

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 2-1: Fibrosis, Moderate]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 250

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9202980

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Marked
* Brain		Leukemia Mononuclear	
		Hemorrhage	Acute, Marked
		Hydrocephalus	Moderate
* Clitoral Gland		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
		Leukemia Mononuclear	
	Pars Distalis	Pigmentation	Hemosiderin, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 250	TRT#: 2	SEX: Female	DAY ON TEST: 736
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9202980

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]

* Spleen	Fibrosis	Moderate
	Leukemia Mononuclear	

[Fibrosis TGLS = 2-11: Fibrosis, Moderate]

[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell leukemia]

* Thyroid Gland	C Cell	Adenoma
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 251

TRT#: 4

SEX: Female

DAY ON TEST: 585

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Pigmentation	Hemosiderin, Minimal
* Mammary Gland			
Note: Mammary gland tissue on slide #10.			
* Ovary		Cyst	Marked
[Cyst TGLS = 1-10: Cyst, Marked]			
* Pituitary Gland	Pars Distalis	Cyst	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 252

TRT#: 4

SEX: Female

DAY ON TEST: 277

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Mineralization	Minimal
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 1-4: Hepatodiaphragmatic Nodule]			
* Lung		Congestion	Acute, Marked
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: CAUSE OF DEATH: UNDETERMINED. SUSPECT ASPHYXIATION SECONDARY TO INGESTA LODGED A ROUND EPIGLOTTIS AND IN TRACHEA. CAUSE OF INGESTA IN THIS AREA NOT DETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 253

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Moderate
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Interstitium	Inflammation	Chronic Active, Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
	[Fibroadenoma TGLS = 1-11: Fibroadenoma]		
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]		
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 254

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 255

TRT#: 4

SEX: Female

DAY ON TEST: 528

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Marked
		Lipoma	
		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Lymph Node, Mandibular		Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild

[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 256

TRT#: 4

SEX: Female

DAY ON TEST: 644

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Pigmentation	Lipofuscin, Minimal
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 1-11: Hepatodiaphragmatic Nodule]		
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Congestion TGLS = 2-2+3: Congestion, Acute, Marked]		
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 257

TRT#: 4

SEX: Female

DAY ON TEST: 626

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203237

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Clitoral Gland		Adenoma	
		Inflammation	Chronic Active, Moderate
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 258

TRT#: 4

SEX: Female

DAY ON TEST: 666

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone	Femur	Osteosclerosis	Moderate
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Kidney		Infarct	Moderate
		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
		Necrosis	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-6: Mononuclear Cell Leukemia]	
* Mammary Gland		Hyperplasia	Cystic, Mild
		Note: TGL#1-11: Mammary gland mass, noted at necropsy, is subcutaneous lipoma histopathologically.	
Mesentery		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Angiectasis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 258	TRT#: 4 DOSE: 60 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 666 HISTO: 9203238
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ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Leukemia Mononuclear	
	Subcut Tiss	Pigmentation	Hemosiderin, Minimal
[Lipoma TGLS = 1-11: Lipoma, Subcutaneous Tissue]		Lipoma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Moderate
		Ulcer	Marked
[Ulcer TGLS = 5-12: Ulcer, Marked]			
* Stomach, Glandular		Inflammation	Chronic Active, Mild
		Necrosis	Moderate
[Necrosis TGLS = 5-12: Necrosis, Moderate]			
Vagina		Inflammation	Suppurative, Moderate
[Inflammation TGLS = 3-13: Inflammation, Suppurative, Moderate]			

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Infarct;Liver	Necrosis;Stomach;Forestomach Inflammation;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 259

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Brain	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration Pigmentation	Fatty, Mild Lipofuscin, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Heart	Atrium	Thrombosis	Marked
* Intestine Large, Cecum		Inflammation Ulcer	Chronic Active, Mild Moderate
* Kidney		Mineralization Nephropathy	Minimal Chronic, Mild
* Liver	Centrilobular, Hepatocyte Bile Duct	Degeneration Hyperplasia Pigmentation	Fatty, Moderate Mild Hemosiderin, Mild
		[Degeneration TGLS = 1-4:Degen,Fatty,Hepatocyte,Centrilobular,Moderate]	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
* Spleen	Lymph Follic	Depletion Cellular	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 259	TRT#: 4	SEX: Female	DAY ON TEST: 735
	DOSE: 60 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203239

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach		Inflammation	Chronic Active, Mild
		Ulcer	Moderate
* Stomach, Glandular	Epithelium	Erosion	Moderate
	[Erosion TGLS = 3-11: Erosion, Epithelium, Moderate]		
* Thyroid Gland	Follicular Cel	Adenoma	
Note: Thyroid gland follicular cell adenoma involves ectopic thyroid tissue in mediastinum.			

PRIMARY CAUSE OF DEATH	- UNCERTAIN
CONTRIBUTORY CAUSE OF DEATH	- Heart Atrium Thrombosis;Liver Centrilobular Hepatocyte Degeneration;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 260

TRT#: 4

SEX: Female

DAY ON TEST: 447

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Mineralization	Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 2-4: Hepatodiaphragmatic Nodule]		
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery	Fat	Inflammation	Chronic Active, Marked
	[Inflammation TGLS = 1-11: Inflammation, Chronic-Active, Fat, Marked]		
* Pituitary Gland		Angiectasis	Mild
	Pars Intermed	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: CAUSE OF DEATH: UNDETERMINED. SUSPECT ASPHYXIATION SECONDARY TO INGESTA LODGED A ROUND EPIGLOTTIS AND IN TRACHEA. CAUSE OF INGESTA IN THIS AREA NOT DETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 261

TRT#: 4

SEX: Female

DAY ON TEST: 590

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Carcinoma	
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Spleen		Pigmentation	Hemosiderin, Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 262

TRT#: 4

SEX: Female

DAY ON TEST: 643

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Interstitialium	Inflammation	Chronic Active, Minimal
	[Congestion TGLS = 2-2+3: Congestion, Acute, Marked]		
	Lymph Node	Pigmentation	Hemosiderin, Minimal
* Mammary Gland	Mediastinal	Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Cyst	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Moderate
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Spleen		Pigmentation	Hemosiderin, Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 263

TRT#: 4

SEX: Female

DAY ON TEST: 708

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Artery	Inflammation	Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Spleen		Pigmentation	Hemosiderin, Moderate
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 264

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 265

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203245

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 266

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203246

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 267

TRT#: 4

SEX: Female

DAY ON TEST: 497

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203247

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Mineralization	Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Ovary		Leukemia Mononuclear	
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Cyst TGLS = 4-7: Cyst, Pars Distalis, Moderate]		
* Spleen	Capsule	Fibrosis	Moderate
	Capsule	Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Necrosis	Marked
	[Leukemia Mononuclear TGLS = 1-11: Mononuclear Cell Leukemia]		
	[Necrosis TGLS = 2-11: Necrosis, Marked]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 267

TRT#: 4

SEX: Female

DAY ON TEST: 497

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203247

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 268

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 269

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203249

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 270

TRT#: 4

SEX: Female

DAY ON TEST: 622

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Astrocytoma Malignant	
		Hydrocephalus	Moderate
* Clitoral Gland		Adenoma	
Eye	Lens	Cataract	Marked
	Retina	Degeneration	Marked
	[Cataract TGLS = 1-11: Cataract, Lens, Marked]		
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Lymph Node, Mandibular		Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]		

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 270

TRT#: 4

SEX: Female

DAY ON TEST: 622

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203250

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Brain Astrocytoma Malignant;Brain Hydrocephalus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 271

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 272

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

OBSERVATIONS

* Clitoral Gland

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 273

TRT#: 4

SEX: Female

DAY ON TEST: 446

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Mineralization	Minimal
* Lung		Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
		[Fibroadenoma TGLS = 1-11: FIBROADENOMA, MAMMARY GLAND]	
* Spleen		Hematopoietic Cell Proliferation	Marked
		[Hematopoietic Cell Proliferation TGLS = 2-12: HEMATOPOIETIC CELL PROLIFERATION]	
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
* Uterus		Sarcoma Stromal	
		[Sarcoma Stromal TGLS = 3-13+14+15: STROMAL SARCOMA, UTERUS]	

PRIMARY CAUSE OF DEATH - Uterus Sarcoma Stromal

Animal Note: CAUSE OF MORBIDITY: UTERINE STROMAL SARCOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 274

TRT#: 4

SEX: Female

DAY ON TEST: 645

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203254

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Brain		Hydrocephalus	Moderate
* Clitoral GI			
Note: Only one clitoral gland available for histopathologic examination.			
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Inflammation	Chronic, Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Mild
		Pigmentation	Hematoidin, Mild

[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH - Brain Hydrocephalus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 275

TRT#: 4

SEX: Female

DAY ON TEST: 645

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Mild
* Brain		Hydrocephalus	Moderate
* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Interstitial	Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Marked
		[Fibroadenoma TGLS = 1-11: Fibroadenoma]	
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Mild
		[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH - Brain Hydrocephalus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 276

TRT#: 4

SEX: Female

DAY ON TEST: 367

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203256

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Liver		Inflammation	Chronic, Minimal
* Lung		Congestion	Acute, Marked
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: CAUSE OF DEATH: UNDETERMINED. SUSPECT ASPHYXIATION SECONDARY TO INGESTA LODGED A ROUND EPIGLOTTIS AND IN TRACHEA. CAUSE OF INGESTA IN THIS AREA NOT DETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 277

TRT#: 4

SEX: Female

DAY ON TEST: 525

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
* Lung		Congestion	Acute, Marked
[Congestion TGLS = 1-2+3: Congestion, Acute, Marked]			
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 278

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203258

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 279

TRT#: 4

SEX: Female

DAY ON TEST: 547

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
[Hepatodiaphragmatic Nodule TGLS = 1-4: Hepatodiaphragmatic Nodule]			
* Lung		Congestion	Acute, Marked
[Congestion TGLS = 2-2+3: Congestion, Acute, Marked]			
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Mild
[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]			
Tissue NOS			
Note: TGL#3-NST: Unable to identify lesion at trim.			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 280

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

OBSERVATIONS

* Clitoral Gland

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 281

TRT#: 4

SEX: Female

DAY ON TEST: 537

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Hydrocephalus	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Lung	Alveolus	Congestion	Acute, Marked
		Infiltration Cellular	Histiocyte, Minimal
	[Congestion TGLS = 2-2+3: Congestion, Acute, Marked]		
* Lymph Node, Mandibular		Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Spleen		Pigmentation	Hemosiderin, Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic Active, Moderate
	[Hyperplasia TGLS = 3-11]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 282

TRT#: 4

SEX: Female

DAY ON TEST: 701

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Hemosiderin, Mild
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 1-7: Hyperplasia, Pars Distalis, Mild]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]		
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 283

TRT#: 4

SEX: Female

DAY ON TEST: 301

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lung		Congestion	Acute, Marked
		Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Spleen			

Note: TGL#1-1-NCL: DEFORMITY, NOTED AT NECROPSY, NOT APPARENT HISTOPATHOLOGICALLY.

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: CAUSE OF DEATH: UNDETERMINED. SUSPECT ASPHYXIATION SECONDARY TO INGESTA LODGED A ROUND EPIGLOTTIS AND IN TRACHEA. CAUSE OF INGESTA IN THIS AREA NOT DETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 284

TRT#: 4

SEX: Female

DAY ON TEST: 541

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Brain		Hydrocephalus	Moderate
* Kidney		Nephropathy	Chronic, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
Note: Mammary gland tissue on slide #10			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
		Pigmentation	Hemosiderin, Moderate

[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hydrocephalus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 285

TRT#: 4

SEX: Female

DAY ON TEST: 201

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- | | | | |
|---|-------|-------------------|--------------------------|
| * Bone | Tibia | Fracture | |
| [Fracture TGLS = 1-11: Fracture, Tibia] | | | |
| * Intestine Large, Rectum | | Parasite Metazoan | |
| * Kidney | | Mineralization | Minimal |
| Skeletal Muscle | | Inflammation | Chronic Active, Moderate |

PRIMARY CAUSE OF DEATH

- Bone Tibia Fracture

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 286

TRT#: 4

SEX: Female

DAY ON TEST: 582

DOSE: 60 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203266

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Clitoral Gland		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 3-10+12: Inflammation, Chronic Active, Moderate]			
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
[Hepatodiaphragmatic Nodule TGLS = 1-11: Hepatodiaphragmatic Nodule]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
Note: TGL#3-10+12: Enlarged mammary gland tissue, recorded at necropsy, is inflamed clitoral glands histopathologically.			
* Pancreas			
Note: Pancreas on slide #07.			
* Pituitary Gland	Pars Distalis	Thrombosis	Marked
[Thrombosis TGLS = 2-7: Thrombosis, Pars Distalis, Marked]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Thrombosis

CONTRIBUTORY CAUSE OF DEATH - Clitoral Gland Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 287

TRT#: 4

SEX: Female

DAY ON TEST: 722

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203267

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
		Angiectasis	Mild
	Pars Intermed	Cyst	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis, Multiple]		
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 288

TRT#: 4

SEX: Female

DAY ON TEST: 386

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Lung		Congestion	Acute, Marked
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: CAUSE OF DEATH: UNDETERMINED. SUSPECT ASPHYXIATION SECONDARY TO INGESTA LODGED A ROUND EPIGLOTTIS AND IN TRACHEA. CAUSE OF INGESTA IN THIS AREA NOT DETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 289

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203269

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 290

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203270

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 291	TRT#: 4	SEX: Female	DAY ON TEST: 563
	DOSE: 60 MG/KG	DISP: Natural Death	HISTO: 9203271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Inflammation	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 292

TRT#: 4

SEX: Female

DAY ON TEST: 528

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Hyperplasia TGLS = 1-7: Hyperplasia, Pars Distalis, Mild]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 293

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 294

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

OBSERVATIONS

* Clitoral Gland

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Sodium xylenesulfonate
 CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
 Time Report Requested: 20:20:26
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 295

TRT#: 4

SEX: Female

DAY ON TEST: 559

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Eye	Lens	Cataract	Moderate
	[Cataract TGLS = 1-11: Cataract, Lens, Moderate]		
* Kidney		Mineralization	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Interstitialium	Inflammation	Chronic Active, Minimal
	[Congestion TGLS = 2-2+3: Congestion, Acute, Marked]		
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Cyst	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 296

TRT#: 4

SEX: Female

DAY ON TEST: 550

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Minimal
* Esophagus	Periesoph Tiss	Lipoma	
	[Lipoma TGLS = 2-11: Lipoma, Periesophageal Tissue]		
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Inflammation	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Lymph Node	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 297

TRT#: 4

SEX: Female

DAY ON TEST: 486

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Inflammation	Chronic, Minimal
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Inflammation	Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate

[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]

PRIMARY CAUSE OF DEATH

- UNCERTAIN

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

Animal Note: CAUSE OF DEATH: UNDETERMINED. SUSPECT ASPHYXIATION SECONDARY TO INGESTA LODGED A ROUND EPIGLOTTIS AND IN TRACHEA. CAUSE OF INGESTA IN THIS AREA NOT DETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 298

TRT#: 4

SEX: Female

DAY ON TEST: 630

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203278

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
* Spleen		Pigmentation	Hemosiderin, Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 299

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 60 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203279

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 300

TRT#: 4

SEX: Female

DAY ON TEST: 694

DOSE: 60 MG/KG

DISP: Natural Death

HISTO: 9203280

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia	Fatty, Minimal Minimal
Note: TGL#3-7-NCL: Adrenal gland size considered to be WNL histopathologically.			
* Heart		Cardiomyopathy	Chronic, Moderate
* Kidney		Leukemia Mononuclear Mineralization Nephropathy	Minimal Chronic, Mild
* Liver		Basophilic Focus Hepatodiaphragmatic Nodule Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 2-4: Hepatodiaphragmatic Nodule]			
* Lung	Alveolus	Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
Lymph Node	Mediastinal Mediastinal	Leukemia Mononuclear Pigmentation	Hemosiderin, Mild Hemosiderin, Mild
* Lymph Node, Mandibular		Pigmentation	
* Mammary Gland		Fibroadenoma Hyperplasia	Cystic, Moderate
[Fibroadenoma TGLS = 1-11: Fibroadenoma]			
[Hyperplasia TGLS = 1-11: Hyperplasia, Cystic, Moderate]			
* Pituitary Gland	Pars Distalis	Adenoma Angiectasis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 300	TRT#: 4	SEX: Female	DAY ON TEST: 694
	DOSE: 60 MG/KG	DISP: Natural Death	HISTO: 9203280

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Cyst	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Mild
[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]			
* Spleen		Leukemia Mononuclear	

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 301

TRT#: 6

SEX: Female

DAY ON TEST: 445

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 302

TRT#: 6

SEX: Female

DAY ON TEST: 660

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia	Fatty, Minimal Mild
* Bone			
Note: TGL#1-11: Sternal mass, observed at necropsy, is a cutaneous sarcoma in the subcutaneous tissue in the region of the xyphoid cartilage histopathologically.			
* Clitoral Gland	Duct	Cyst	Marked
Note: TGL#2-10: One enlarged clitoral gland, recorded at necropsy, is squamous cell carcinoma arising from vagina histopathologically.			
Note: TGL#2-10: Second clitoral gland not available for histopathological examination. May have been obliterated by vaginal squamous cell carcinoma.			
[Cyst TGLS = 2-10: Cyst, Duct, Marked]			
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus Hepatodiaphragmatic Nodule Inflammation	Chronic, Minimal
[Hepatodiaphragmatic Nodule TGLS = 5-12: Hepatodiaphragmatic Nodule]			
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Fibroadenoma Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 6-13: Fibroadenoma]			
* Ovary			
Note: TGL#3,4-10-NCL: Cysts, observed at necropsy, not apparent histopathologically.			
* Pituitary Gland	Pars Distalis	Adenoma Angiectasis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 302	TRT#: 6	SEX: Female	DAY ON TEST: 660
	DOSE: 120 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203132

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Cyst	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Mild
[Adenoma TGLS = 7-7: Adenoma, Pars Distalis]			
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 1-11: Sarcoma, Subcutaneous Tissue]			
* Spleen		Pigmentation	Hemosiderin, Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
Vagina		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 2-10: Squamous Cell Carcinoma]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 303

TRT#: 6

DOSE: 120 MG/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 706

HISTO: 9203133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia	Fatty, Moderate Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Hyperplasia	Mild
Note: Only one clitoral gland available for histopathological examination.			
* Heart	Atrium	Cardiomyopathy Thrombosis	Chronic, Mild Marked
	[Thrombosis TGLS = 8-4: Thrombosis, Atrium, Marked]		
* Kidney		Leukemia Mononuclear Nephropathy	Chronic, Minimal
* Liver	Centrilobular, Hepatocyte	Degeneration Hepatodiaphragmatic Nodule	Fatty, Marked
	Hepatocyte	Hyperplasia Leukemia Mononuclear Necrosis	Marked Mild
	[Degeneration TGLS = 2-4:Degen,Fatty,Hepatocyte,Centrilobular,Marked]		
	[Hepatodiaphragmatic Nodule TGLS = 7-12: Hepatodiaphragmatic Nodule]		
	[Hyperplasia TGLS = 5,6-4: Hyperplasia, Hepatocyte, Marked]		
	[Leukemia Mononuclear TGLS = 2-4: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 303

TRT#: 6

SEX: Female

DAY ON TEST: 706

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203133

ORGAN AND ACCOUNTABLE SITE STATUS

	Mediastinal	Pigmentation	Hemosiderin, Mild
* Lymph Node, Mandibular		Pigmentation	Hemosiderin, Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Mild
[Hyperplasia TGLS = 9-7: Hyperplasia, Pars Distalis, Moderate]			
* Skin		Hyperplasia	Basal Cell, Moderate
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Moderate
[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]			
* Uterus		Sarcoma Stromal	
[Sarcoma Stromal TGLS = 3-11: Stromal Sarcoma]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Heart Atrium Thrombosis;Liver Centrilobular Hepatocyte Degeneration;Liver Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 304

TRT#: 6

SEX: Female

DAY ON TEST: 712

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Intestine Small, Duodenum		Inflammation	Chronic Active, Marked
		Ulcer	Marked
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver	Centrilobular, Hepatocyte	Degeneration	Fatty, Moderate
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Degeneration TGLS = 3-4:Degen,Fatty,Hepatocyte,Centrilobular,Moderate]		
	[Hepatodiaphragmatic Nodule TGLS = 4-12: Hepatodiaphragmatic Nodule]		
	[Leukemia Mononuclear TGLS = 3-4: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Lymph Node, Mandibular		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 304	TRT#: 6	SEX: Female	DAY ON TEST: 712
	DOSE: 120 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203134

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-13: Mononuclear Cell Leukemia]			
* Mammary Gland		Fibroadenoma Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 1-11: Fibroadenoma]			
Mesentery		Leukemia Mononuclear	
* Pancreas		Inflammation	Chronic Active, Marked
* Pituitary Gland	Pars Distalis	Cyst	Minimal
[Cyst TGLS = 5-7: Cyst, Pars Distalis, Minimal]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]			
* Stomach, Glandular		Inflammation Ulcer	Chronic Active, Mild Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Intestine Small;Duodenum Inflammation;Intestine Small;Duodenum Ulcer;Liver Centrilobular Hepatocyte Degeneration;Pancreas Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 305

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 120 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

OBSERVATIONS

* Clitoral Gland

Duct

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 306

TRT#: 6

SEX: Female

DAY ON TEST: 527

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Bone Marrow		Hyperplasia	Marked
* Kidney		Nephropathy	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 1-11: Fibroadenoma]			
* Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 307

TRT#: 6

DOSE: 120 MG/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 547

HISTO: 9203137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- | | | | |
|--|-----------------|----------------------------|----------------------|
| * Kidney | | Nephropathy | Chronic, Mild |
| * Liver | | Basophilic Focus | |
| | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic, Minimal |
| [Hepatodiaphragmatic Nodule TGLS = 1-11: Hepatodiaphragmatic Nodule] | | | |
| * Lung | | Congestion | Acute, Marked |
| | Interstitialium | Inflammation | Chronic Active, Mild |
| [Congestion TGLS = 2-2+3: Congestion, Acute, Marked] | | | |
| Lymph Node | Mediastinal | Pigmentation | Hemosiderin, Mild |
| * Lymph Node, Mandibular | | Pigmentation | Hemosiderin, Mild |
| * Mammary Gland | | Hyperplasia | Cystic, Mild |
| * Pancreas | Acinus | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | | Angiectasis | Mild |
| | Pars Distalis | Pigmentation | Hemosiderin, Mild |
| [Adenoma TGLS = 3-7: Adenoma, Pars Distalis] | | | |
| * Uterus | | Cyst | Moderate |

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 308

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 120 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 309

TRT#: 6

SEX: Female

DAY ON TEST: 625

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Pigmentation	Lipofuscin, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Nose		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Pigmentation	Hemosiderin, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic Active, Moderate
		Ulcer	Marked

[Ulcer TGLS = 1-11: Ulcer, Marked]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Inflammation;Stomach;Forestomach Inflammation;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 310

TRT#: 6

SEX: Female

DAY ON TEST: 645

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Pigmentation	Lipofuscin, Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Inflammation	Chronic Active, Mild
* Heart		Inflammation	Chronic Active, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Moderate
		Leukemia Mononuclear	
		Necrosis	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Hepatodiaphragmatic Nodule TGLS = 4-11: Hepatodiaphragmatic Nodule]		
	[Leukemia Mononuclear TGLS = 3-4: Mononuclear Cell Leukemia]		
	[Vacuolization Cytoplasmic TGLS = 3-4: Vacuolization Cytoplasm, Hepatocyte, Moderate]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery		Mineralization	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 310

TRT#: 6

SEX: Female

DAY ON TEST: 645

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203140

ORGAN AND ACCOUNTABLE SITE STATUS

Fat	Necrosis	Marked
[Necrosis TGLS = 5-13: Necrosis, Fat, Marked]		
* Pituitary Gland	Angiectasis	Mild
Pars Distalis	Cyst	Mild
Pars Distalis	Hyperplasia	Mild
Pars Distalis	Pigmentation	Hemosiderin, Mild
[Cyst TGLS = 1-7: Cyst, Pars Distalis, Mild]		
[Hyperplasia TGLS = 1-7: Hyperplasia, Pars Distalis, Mild]		
* Spleen	Leukemia Mononuclear	
	Pigmentation	Hemosiderin, Mild
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]		
* Stom Gland		
Note: TGL#6-12-NCL: Brown focus, found at trim, not apparent histopathologically.		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
 CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 311

TRT#: 6

SEX: Female

DAY ON TEST: 517

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Leukemia Mononuclear	
Eye	Lens	Cataract	Moderate
	Retina	Degeneration	Moderate
	[Cataract TGLS = 1-11: Cataract, Lens, Moderate]		
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 3,4-4: Hepatodiaphragmatic Nodule]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Interstitial	Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 311	TRT#: 6	SEX: Female	DAY ON TEST: 517
	DOSE: 120 MG/KG	DISP: Natural Death	HISTO: 9203141

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis	Pigmentation	Hemosiderin, Minimal
[Adenoma TGLS = 5-7: Adenoma, Pars Distalis]		
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]		

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 312

TRT#: 6

SEX: Female

DAY ON TEST: 564

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone		Osteopetrosis	Moderate
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Mild

[Adenoma TGLS = 1-7:Adenoma, Pars Distalis]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 313

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 120 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

OBSERVATIONS

* Clitoral Gland

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 314

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 120 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 315

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 120 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 316

TRT#: 6

SEX: Female

DAY ON TEST: 643

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Brain		Hydrocephalus	Moderate
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 1-11: Hepatodiaphragmatic Nodule]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Lymph Node, Mandibular		Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
		Pigmentation	Hemosiderin, Mild
[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]			
* Spleen		Pigmentation	Hemosiderin, Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hydrocephalus;Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 317

TRT#: 6

SEX: Female

DAY ON TEST: 594

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Esophagus	Periesoph Tiss	Lipoma	
	[Lipoma TGLS = 2-11: Lipoma, Periesophageal Tissue]		
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Inflammation	Chronic, Minimal
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Cyst	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Spleen		Pigmentation	Hemosiderin, Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 318

TRT#: 6

SEX: Female

DAY ON TEST: 708

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1-11: Fibroadenoma]		
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Cyst	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]		
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma
CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 319

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 120 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 320

TRT#: 6

SEX: Female

DAY ON TEST: 532

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 320

TRT#: 6

SEX: Female

DAY ON TEST: 532

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203150

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 321

TRT#: 6

SEX: Female

DAY ON TEST: 673

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
* Brain		Hydrocephalus	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Cyst	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 321

TRT#: 6

SEX: Female

DAY ON TEST: 673

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203151

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hydrocephalus;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 322

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 120 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland

OBSERVATIONS

* Skin

Epidermis, SOA

Hyperplasia

Minimal

[Hyperplasia TGLS = 1-11: Hyperplasia,Epidermis,Skin Soa,Minimal]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 323

TRT#: 6

SEX: Female

DAY ON TEST: 568

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203153

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 1-11: Necrosis, Fat, Marked]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 324

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 120 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 325

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 120 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland

OBSERVATIONS

* Skin

Epidermis

Hyperplasia

Mild

Inflammation

Chronic Active, Moderate

Epidermis

Ulcer

Marked

[Ulcer TGLS = 3-11: Ulcer, Marked]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 326

TRT#: 6

SEX: Female

DAY ON TEST: 444

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203156

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Mineralization	Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-4: Hepatodiaphragmatic Nodule]			
* Lung		Congestion	Acute, Marked
		Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Chronic Active, Moderate
	Epidermis, SOA	Ulcer	Moderate
[Ulcer TGLS = 1-11: Ulcer, Epidermis, Skin Soa, Moderate]			

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: CAUSE OF DEATH: UNDETERMINED. SUSPECT AXPHYXIATION SECONDARY TO INGESTA LODGED A ROUND EPIGLOTTIS AND IN TRACHEA. CAUSE OF INGESTA IN THIS AREA NOT DETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 327

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 120 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 328

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 120 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 329

TRT#: 6

SEX: Female

DAY ON TEST: 666

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Intestine Small, Ileum

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule Inflammation	Chronic, Mild
	[Hepatodiaphragmatic Nodule TGLS = 3-4: Hepatodiaphragmatic Nodule]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Lymph Node	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Fibroadenoma Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1-11: Fibroadenoma]		
* Pituitary Gland	Pars Distalis	Adenoma	Marked
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Hemosiderin, Minimal
	[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]	Pigmentation	
* Skin			
	Note: TGL#1-11: Skin mass, noted at necropsy, is mammary gland fibroadenoma histopathologically.		
* Spleen		Pigmentation	Hemosiderin, Moderate
	Note: TGL#2-11-NCL: Splenic size considered to be WNL histopathologically.		
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 329

TRT#: 6

SEX: Female

DAY ON TEST: 666

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203159

ORGAN AND ACCOUNTABLE SITE STATUS

Inflammation

Chronic Active, Mild

Ulcer

Marked

[Hyperplasia TGLS = 5-12: Hyperplasia, Epithelium, Moderate]

[Ulcer TGLS = 5-12: Ulcer, Marked]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Stomach;Forestomach Inflammation;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 330

TRT#: 6

SEX: Female

DAY ON TEST: 648

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic Active, Moderate
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Pituitary Gland		Angiectasis	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Angiectasis TGLS = 1-7: Angiectasis, Moderate]		
* Spleen		Pigmentation	Hemosiderin, Moderate

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 331

TRT#: 6

DOSE: 120 MG/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 603

HISTO: 9203161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Pigmentation	Lipofuscin, Minimal
* Bone	Joint	Arthrosis	Marked
	Joint, Tarsal	Arthrosis	Moderate
	[Arthrosis TGLS = 7-14: Arthrosis, Tarsal Joint, Moderate]		
	[Arthrosis TGLS = 8-9+13: Arthrosis, Joint, Marked]		
* Bone Marrow		Hyperplasia	Marked
* Heart	Atrium	Thrombosis	Moderate
* Kidney	Renal Tubule	Leukemia Mononuclear	
	[Pigmentation TGLS = 5-1: Pigment, Hemosiderin, Renal Tubule, Marked]	Pigmentation	Hemosiderin, Marked
* Liver	Centrilobular, Hepatocyte	Degeneration	Fatty, Marked
	Bile Duct	Hyperplasia	Minimal
	[Degeneration TGLS = 3-4:Degen,Fatty,Hepatocyte,Centrilobular,Marked]	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Ovary		Cyst	Mild
	[Cyst TGLS = 4-10: Cyst, Mild]		
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 331	TRT#: 6	SEX: Female	DAY ON TEST: 603
	DOSE: 120 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203161

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-7]	Angiectasis	Mild
* Skin [Hyperkeratosis TGLS = 1-12: Hyperkeratosis, Moderate]	Hyperkeratosis	Moderate
* Spleen [Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell leukemia]	Leukemia Mononuclear	
* Stomach, Forestomach Epithelium	Hyperplasia Inflammation Ulcer	Moderate Chronic Active, Moderate Marked
[Hyperplasia TGLS = 9-11: Hyperplasia, Epithelium, Moderate]		
[Ulcer TGLS = 9-11: Ulcer, Marked]		

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Heart Atrium Thrombosis;Stomach;Forestomach Inflammation;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 332

TRT#: 6

SEX: Female

DAY ON TEST: 602

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Congestion TGLS = 2-2+3: Congestion, Acute, Marked]			
* Lymph Node, Mandibular		Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose		Inflammation	Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 333

TRT#: 6

SEX: Female

DAY ON TEST: 638

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Clitoral Gland	Duct	Cyst	Moderate
	Duct	Hyperplasia	Mild
	[Cyst TGSL = 3-10: Cyst, Duct, Moderate]		
* Heart		Cardiomyopathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Congestion	Acute, Marked
	[Congestion TGSL = 4-2+3: Congestion, Acute, Marked]		
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGSL = 1-11: Fibroadenoma]		
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Cyst	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Adenoma TGSL = 2-7: Adenoma, Pars Distalis]		

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 334

TRT#: 6

SEX: Female

DAY ON TEST: 441

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203164

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Lung		Foreign Body	
		Inflammation	Chronic Active, Moderate
Note: FOREIGN BODY GRANULOMA CONTAINING HAIR.			
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Marked
[Fibroadenoma TGLS = 2-12: Fibroadenoma]			
[Hyperplasia TGLS = 1-11: Hyperplasia, Cystic, Marked]			
* Pancreas		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma; Mammary Gland Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 335

TRT#: 6

DOSE: 120 MG/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 717

HISTO: 9203165

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Hemosiderin, Mild
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-12: Mononuclear Cell Leukemia]	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
		[Fibroadenoma TGLS = 1-11: Fibroadenoma]	
* Ovary	Interstit Cell	Hyperplasia	Moderate
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Mild
		[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 335

TRT#: 6

SEX: Female

DAY ON TEST: 717

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203165

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

* Uterus

Note: Uterine horn: Small endometrial polyp vs function of cut?

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Islets;Pancreatic Adenoma;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 336

TRT#: 6

SEX: Female

DAY ON TEST: 697

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203166

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Cyst	Mild

[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 337

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 120 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland

OBSERVATIONS

* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Moderate
	Epidermis, SOA	Ulcer	Moderate
	[Inflammation TGLS = 1-11:Inflammation,Chronic-Active,Skin Soa,Moderate]		
	[Ulcer TGLS = 1-11:Ulcer,Epidermis,Skin Soa,Moderate]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 338

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 120 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 339

TRT#: 6

SEX: Female

DAY ON TEST: 510

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Chronic Active, Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Large, Cecum		Inflammation	Chronic Active, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Ovary	Interstit Cell	Hyperplasia	Moderate
		Inflammation	Chronic Active, Marked
	[Inflammation TGLS = 1-11: Inflammation, Chronic-Active, Marked]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

- Ovary Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 340

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 120 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

OBSERVATIONS

* Clitoral Gland

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 341

TRT#: 6

SEX: Female

DAY ON TEST: 646

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Karyomegaly	Minimal
* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel		Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Moderate
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Marked]			
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-11: Hepatodiaphragmatic Nodule]			
* Lung	Alveolus	Hemorrhage	Acute, Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Mineralization	Moderate
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Inflammation	Chronic Active, Moderate
		Mineralization	Moderate
[Inflammation TGLS = 1-12:Inflammation,Fat,Chronic-Active,Moderate]			
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Cyst	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 341	TRT#: 6	SEX: Female	DAY ON TEST: 646
	DOSE: 120 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203171

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis

Hyperplasia
Mineralization

Mild
Mild

[Cyst TGLS = 4-7: Cyst, Pars Distalis, Marked]

* Spleen
* Stomach, Glandular

Hematopoietic Cell Proliferation
Mineralization

Moderate
Moderate

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 342

TRT#: 6

SEX: Female

DAY ON TEST: 542

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
* Skin	Epidermis, SOA	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 343

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 120 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 344

TRT#: 6

SEX: Female

DAY ON TEST: 462

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203174

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Kidney		Mineralization	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: CAUSE OF DEATH: UNDETERMINED. SUSPECT ASPHYXIATION SECONDARY TO INGESTA LODGED A ROUND EPIGLOTTIS AND IN TRACHEA. CAUSE OF INGESTA IN THIS AREA NOT DETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 345

TRT#: 6

SEX: Female

DAY ON TEST: 501

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 346

TRT#: 6

SEX: Female

DAY ON TEST: 712

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Brain		Hydrocephalus	Moderate
* Clitoral Gland	Bilateral	Adenoma	
[Adenoma TGLS = 1-10]			
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Inflammation	Chronic, Moderate
		Necrosis	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]		Pigmentation	Hemosiderin, Minimal
* Spleen		Pigmentation	Hemosiderin, Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH - Brain Hydrocephalus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 347

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 120 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 348

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 120 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 349

TRT#: 6

SEX: Female

DAY ON TEST: 559

DOSE: 120 MG/KG

DISP: Natural Death

HISTO: 9203179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Pigmentation	Lipofuscin, Mild
Eye	Lens	Cataract	Marked
	Retina	Degeneration	Marked
	[Cataract TGLS = 1-11: Cataract, Lens, Marked]		
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
* Lung		Congestion	Acute, Marked
	[Congestion TGLS = 2-2+3: Congestion, Acute, Marked]		
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Hemosiderin, Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 350

TRT#: 6

SEX: Female

DAY ON TEST: 492

DOSE: 120 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Carcinoma	
		Inflammation	Chronic Active, Marked
[Carcinoma TGLS = 1-12]			
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 4-4: Hepatodiaphragmatic Nodule]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Ovary		Cyst	Mild
[Cyst TGLS = 3-10: CYST]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 2-11: Hematopoietic Cell Proliferation, Marked]			
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma
 CONTRIBUTORY CAUSE OF DEATH - Clitoral Gland Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 351

TRT#: 8

SEX: Female

DAY ON TEST: 596

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Congestion TGLS = 2-2+3: Congestion, Acute, Marked]		
* Nose		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 352

TRT#: 8

SEX: Female

DAY ON TEST: 526

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
* Lung		Congestion	Acute, Marked
		Inflammation	Granulomatous, Minimal
	[Congestion TGLS = 1-2+3: Congestion, Acute, Marked]		
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]		
* Skin	Epidermis, SOA	Hyperplasia	Minimal
* Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 353

TRT#: 8

DOSE: 240 MG/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 706

HISTO: 9203033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia	Fatty, Minimal Minimal
* Clitoral GI			
Note: TGL#4-10-NCL: Clitoral glands appear to be WNL histopathologically.			
Eye	Retina	Degeneration	Moderate
Note: TGL#1-11-NCL: Lens appears to be WNL Histopathologically.			
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia Inflammation	Minimal Chronic, Minimal
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Fibroadenoma Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 2-12: Fibroadenoma]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
[Cyst TGLS = 3-7: Cyst, Pars Distalis, Moderate]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Cyst

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 354

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 2-11: Hepatodiaphragmatic Nodule]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Cyst TGLS = 3-7: Cyst, Pars Distalis, Moderate]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 354

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203034

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 355

TRT#: 8

SEX: Female

DAY ON TEST: 520

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia Leukemia Mononuclear	Marked
* Brain		Hydrocephalus	Moderate
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
Mesentery	Fat	Inflammation Mineralization	Chronic Active, Moderate Minimal
	[Inflammation TGLS = 2-11:Inflammation,Fat,Chronic-Active,Moderate]		
* Ovary		Cyst	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis Pigmentation	Marked Hemosiderin, Mild
	[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 355

TRT#: 8

SEX: Female

DAY ON TEST: 520

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203035

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Brain Hydrocephalus;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 356

TRT#: 8

DOSE: 240 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 9203036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Pigmentation	Lipofuscin, Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone	Femur	Osteosclerosis	Mild
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Clitoral Gland		Hyperplasia	Mild
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
[Leukemia Mononuclear TGLS = 3-1: Mononuclear Cell Leukemia]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4: Mononuclear Cell Leukemia]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 356	TRT#: 8	SEX: Female	DAY ON TEST: 736
	DOSE: 240 MG/KG	DISP: Terminal Sacrifice	HISTO: 9203036

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation Ulcer	Mild Chronic Active, Mild Marked
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 357

TRT#: 8

SEX: Female

DAY ON TEST: 338

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Kidney		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
Note: TGL#2-4-NCL: NODULES, NOTED AT NECROPSY, THE RESULT OF IRREGULAR CAPSULAR SURFACE HISTOPATHOLOGICALLY.			
Lymph Node	Mediastinal	Hyperplasia	Plasma Cell, Moderate
	[Hyperplasia TGLS = 3-2: Hyperplasia,Plasma Cell,Moderate,Mediastinal]		
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Moderate
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Mild
Zymbal's Gland		Carcinoma	
	[Carcinoma TGLS = 1-11: Zymbals Gland Carcinoma]		

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 358

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland		Angiectasis	Moderate
	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal

[Cyst TGLS = 1-7: Cyst, Pars Distalis, Moderate]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 359

TRT#: 8

SEX: Female

DAY ON TEST: 677

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Inflammation	Chronic, Mild
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Congestion TGLS = 1-2+3: Congestion, Acute, Marked]		
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
* Thyroid Gland	Follicular Cel	Carcinoma	

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 360

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203040

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Mild
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Interstitial	Inflammation	Chronic Active, Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1-11: Fibroadenoma]		
* Ovary		Mesothelioma Benign	
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Cyst	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 361

TRT#: 8

SEX: Female

DAY ON TEST: 714

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Hydrocephalus	Moderate
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Necrosis	Minimal
* Lung	Alveolus	Congestion	Acute, Marked
		Infiltration Cellular	Histiocyte, Minimal
	[Congestion TGLS = 1-2+3: Congestion, Acute, Marked]		
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Lymph Node, Mandibular		Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
Oral Mucosa	Gingival	Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]		
* Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hydrocephalus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 362

TRT#: 8

SEX: Female

DAY ON TEST: 289

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Minimal
* Lung		Congestion	Acute, Marked
* Skin	Epidermis, SOA	Hyperplasia	Minimal
	Epidermis, SOA	Inflammation	Chronic Active, Minimal

Note: SKIN LESIONS, NOTED HISTOPATHOLOGICALLY, PROBABLY ASSOCIATED WITH CLIPPER INJURY REPORTED CLINICALLY.

[Inflammation TGLS = 1-11: Inflamm, Epidermis, Chr-Act, Minimal, Skin SOA]

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: CAUSE OF DEATH: UNDETERMINED. SUSPECT ASPHYXIATION SECONDARY TO INGESTA LODGED A ROUND EPIGLOTTIS AND IN TRACHEA. CAUSE OF INGESTA IN THIS AREA NOT DETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 363

TRT#: 8

SEX: Female

DAY ON TEST: 695

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Karyomegaly	Mild
* Brain		Hydrocephalus	Moderate
* Clitoral Gland		Hyperplasia	Mild
		Inflammation	Chronic Active, Moderate
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Spleen		Pigmentation	Hemosiderin, Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hydrocephalus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 364

TRT#: 8

SEX: Female

DAY ON TEST: 646

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration Pigmentation	Fatty, Moderate Lipofuscin, Mild
* Bone	Femur, Tibia	Osteosclerosis	Mild
* Bone Marrow		Hyperplasia Leukemia Mononuclear	Moderate
* Heart	Atrium	Thrombosis	Marked
	[Thrombosis TGLS = 4-4: Thrombosis, Atrium, Marked]		
* Kidney		Leukemia Mononuclear Nephropathy	Chronic, Minimal
* Liver	Centrilobular, Hepatocyte Bile Duct	Degeneration Hyperplasia Leukemia Mononuclear Necrosis	Fatty, Marked Minimal Mild
	[Degeneration TGLS = 2-4:Degen,Fatty,Hepatocyte,Centrilobular,Marked]		
	[Leukemia Mononuclear TGLS = 2-4: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
	[Leukemia Mononuclear TGLS = 5-2+3: Mononuclear Cell Leukemia]		
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pancreas	Acinus	Atrophy Hypertrophy	Minimal Focal, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 364	TRT#: 8	SEX: Female	DAY ON TEST: 646
	DOSE: 240 MG/KG	DISP: Moribund Sacrifice	HISTO: 9203044

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Mild
	[Cyst TGLS = 6-7: Cyst, Pars Distalis, Moderate]		
* Skin	Epidermis, SOA	Exudate	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Moderate
		Ulcer	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Heart Atrium Thrombosis;Stomach;Forestomach Inflammation;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 365

TRT#: 8

DOSE: 240 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 9203045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Pigmentation	Lipofuscin, Minimal
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Spleen		Pigmentation	Hemosiderin, Mild
* Thyroid Gland	C Cell	Adenoma	Multiple
	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 2-11: Stromal Polyp]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 366

TRT#: 8

SEX: Female

DAY ON TEST: 379

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Nose		Inflammation	Chronic Active, Mild
Note: NOSE: FUNGAL HYPHAE ASSOCIATED WITH INFLAMMATION IN NASAL CAVITY.			
* Pituitary Gland	Pars Distalis	Cyst	Mild

PRIMARY CAUSE OF DEATH

- Nose Inflammation

Animal Note: CAUSE OF MORBIDITY: PROBABLY ASSOCIATED WITH FUNGI AND INFLAMMATION IN NASAL CAVITY.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 367

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Lymph Node	Pigmentation	Hemosiderin, Minimal
* Mammary Gland	Mediastinal	Fibroadenoma	
		Hyperplasia	Cystic, Marked
	[Fibroadenoma TGLS = 1-11: Fibroadenoma]		
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
		Angiectasis	Mild
	Pars Distalis	Cyst	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 2-7: Adenoma, Multiple, Pars Distalis]		
	[Cyst TGLS = 2-7: Cyst, Pars Distalis, Marked]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 368

TRT#: 8

DOSE: 240 MG/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 711

HISTO: 9203048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Marked
* Brain			
Note: Pituitary gland adenoma compressing base of brain, A portion of this neoplasm remains attached to brain within the cavitation.			
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 1-12: Fibroadenoma]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Cyst	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 3-11]			
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 368

TRT#: 8

SEX: Female

DAY ON TEST: 711

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203048

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 369

TRT#: 8

SEX: Female

DAY ON TEST: 324

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Inflammation	Granulomatous, Mild
* Kidney		Mineralization	Minimal
* Lung		Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 370

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Clitoral Gland		Hyperplasia	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland	Duct	Cyst	Marked
		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Mild
		[Cyst TGLS = 1,2-11+12: Cyst, Duct, Multiple, Marked]	
		[Fibroadenoma TGLS = 1,2-11+12: Fibroadenoma, Multiple]	
* Nose		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Cyst	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 371

TRT#: 8

SEX: Female

DAY ON TEST: 640

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Minimal
	[Fibroadenoma TGLS = 2-11: Fibroadenoma]		
* Nose		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 372

TRT#: 8

SEX: Female

DAY ON TEST: 441

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Liver		Inflammation	Chronic, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Carcinoma	
		Hyperplasia	Cystic, Mild
[Carcinoma TGLS = 1-11: Carcinoma]			
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Moderate
* Skin	Epidermis, SOA	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 2-12: Hematopoietic Cell Proliferation, Marked]			

PRIMARY CAUSE OF DEATH - Mammary Gland Carcinoma

Animal Note: CAUSE OF MORBIDITY: MAMMARY GLAND CARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 373

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Eye	Lens	Cataract	Marked
	Retina	Degeneration	Marked
	[Cataract TGLS = 1-11: Cataract, Lens, Marked]		
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 374

TRT#: 8

SEX: Female

DAY ON TEST: 556

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203054

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Lymph Node, Mandibular		Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 375

TRT#: 8

SEX: Female

DAY ON TEST: 696

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Congestion	Acute, Marked
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Ovary		Cyst	Marked
[Cyst TGLS = 1-10: Cyst, Marked]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 376

TRT#: 8

SEX: Female

DAY ON TEST: 572

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 1-11: Hepatodiaphragmatic Nodule]		
* Lung		Congestion	Acute, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]	Pigmentation	Hemosiderin, Mild
* Spleen		Pigmentation	Hemosiderin, Moderate
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 377

TRT#: 8

DOSE: 240 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 9203057

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia	Fatty, Moderate Minimal
[Degeneration TGLS = 6-7: Degeneration, Fatty, Moderate]			
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 6-7: Pheochromocytoma, Benign]			
* Clitoral GI			
Note: TGL#7-10-NCL: Dark red focus, found at trim, not apparent histopathologically.			
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Basophilic Focus	Mild
	Alveolus	Hyperplasia	Histiocyte, Minimal
* Lung	Mediastinal	Infiltration Cellular	Hemosiderin, Mild
Lymph Node		Pigmentation	Multiple
* Mammary Gland		Fibroadenoma	Cystic, Mild
[Fibroadenoma TGLS = 2,3,4-12+13+14:Fibroadenoma, Multiple]		Hyperplasia	
* Pituitary Gland	Pars Distalis	Adenoma	Moderate
		Angiectasis	Moderate
	Pars Distalis	Cyst	Hemosiderin, Mild
	Pars Distalis	Pigmentation	
[Adenoma TGLS = 5-7: Adenoma, Pars Distalis]			
* Skin	Epidermis, SOA	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 377

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203057

ORGAN AND ACCOUNTABLE SITE STATUS

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

Epidermis, SOA

Ulcer

Marked

[Ulcer TGLS = 1-11:Ulcer,Epidermis,Skin Soa,Marked]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 378

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
* Lung	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Lymph Node	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Cyst	Mild
	Pars Intermed	Cyst	Mild
	Pars Distalis	Hyperplasia	Moderate

[Hyperplasia TGLS = 1-7: Hyperplasia, Pars Distalis, Moderate]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 379

TRT#: 8

SEX: Female

DAY ON TEST: 412

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Minimal
* Lung		Congestion	Acute, Marked
		Inflammation	Chronic Active, Minimal
[Congestion TGLS = 2-2+3: Congestion, Acute, Marked]			
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
[Cyst TGLS = 1-7: Cyst, Pars Distalis, Minimal]			

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: CAUSE OF DEATH: UNDETERMINED. SUSPECT ASPHYXIATION SECONDARY TO INGESTA LODGED A ROUND EPIGLOTTIS AND IN TRACHEA. CAUSE OF INGESTA IN THIS AREA NOT DETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 380

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Clitoral Gland		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Lymph Node	Pigmentation	Hemosiderin, Mild
* Mammary Gland	Mediastinal	Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Cyst	Mild
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 381

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Hyperplasia	Mild
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-12: Carcinoma]			
Eye	Lens	Cataract	Marked
	Retina	Degeneration	Marked
[Cataract TGLS = 1-11: Cataract, Lens, Marked]			
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Interstitium	Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 382

TRT#: 8

SEX: Female

DAY ON TEST: 396

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Inflammation	Chronic, Moderate
* Mammary Gland		Hyperplasia	Cystic, Mild
* Ovary		Cyst	Minimal
[Cyst TGLS = 2-10: Cyst, Minimal]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 383

TRT#: 8

SEX: Female

DAY ON TEST: 591

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203063

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Bone	* Bone Marrow
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OBSERVATIONS

* Brain		Hydrocephalus	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Cyst	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Mild
[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]			
* Spleen		Pigmentation	Hemosiderin, Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Brain Hydrocephalus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 384

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203064

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Mild
* Clitoral Gland		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
		Necrosis	Marked
	[Necrosis TGLS = 2-11: Necrosis, Marked]		
* Lung		Congestion	Acute, Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
Oral Mucosa	Gingival	Inflammation	Chronic Active, Mild
* Ovary			
	Note: TGL#1-10-NCL: Ovary considered to be WNL Histopathologically.		
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 384

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203064

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
Tooth		Inflammation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 385

TRT#: 8

DOSE: 240 MG/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 611

HISTO: 9203065

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Carcinoma	
		Hyperplasia	Moderate
	[Carcinoma TGLS = 1-12: Carcinoma]		
* Heart		Cardiomyopathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
	Portal Vein	Thrombosis	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Lumbar	Hyperplasia	Lymphoid, Moderate
	[Hyperplasia TGLS = 3-11: Hyperplasia, Lymphoid, Lumbar, Moderate]		
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Cyst	Moderate
	[Cyst TGLS = 2-7: Cyst, Pars Distalis, Moderate]		
* Spleen		Pigmentation	Hemosiderin, Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 386

TRT#: 8

SEX: Female

DAY ON TEST: 589

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203066

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
* Lung		Congestion	Acute, Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Lymph Node, Mandibular		Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
		Pigmentation	Hemosiderin, Mild

[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 387

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Pigmentation	Lipofuscin, Mild
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Adenoma	
	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]			
[Adenoma TGLS = 1-7: Adenoma, Pars Intermedia]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 388

TRT#: 8

SEX: Female

DAY ON TEST: 515

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Interstitial	Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 1-11: Fibroadenoma]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Pigmentation	Hemosiderin, Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma; Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 389

TRT#: 8

SEX: Female

DAY ON TEST: 651

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Mild
	[Hepatodiaphragmatic Nodule TGLS = 2-11: Hepatodiaphragmatic Nodule]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Ovary		Cyst	Moderate
	[Cyst TGLS = 1-10: Cyst, Moderate]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
* Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Chronic Active, Mild
	Epidermis, SOA	Ulcer	Mild
	[Inflammation TGLS = 3-10: Inflammation, Skin Soa, Chronic-Active, Mild]		
	[Ulcer TGLS = 3-10: Ulcer, Epidermis, Skin Soa, Mild]		
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 389

TRT#: 8

SEX: Female

DAY ON TEST: 651

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203069

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 390

TRT#: 8

SEX: Female

DAY ON TEST: 674

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Bone	* Bone Marrow
--------	---------------

OBSERVATIONS

* Brain		Hydrocephalus	Moderate
* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Clear Cell Focus	
		Hyperplasia	Minimal
		Inflammation	Chronic, Mild
* Lung		Congestion	Acute, Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Mild
		Pigmentation	Hematoidin, Mild
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Skin	Epidermis, SOA	Exudate	Minimal
* Spleen		Pigmentation	Hemosiderin, Moderate
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 390

TRT#: 8

SEX: Female

DAY ON TEST: 674

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203070

ORGAN AND ACCOUNTABLE SITE STATUS

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hydrocephalus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 391

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Clitoral Gland	Duct	Cyst Hyperplasia	Moderate Minimal
Note: Clitoral gland duct distended with secretion. [Cyst TGLS = 1-10: Cyst, Duct, Moderate]			
* Heart		Cardiomyopathy	Chronic, Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Angiectasis	Mild
	Bile Duct	Basophilic Focus Hyperplasia	Minimal
* Lung	Alveolus	Leukemia Mononuclear Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Pigmentation	Hemosiderin, Mild
[Hyperplasia TGLS = 2-7]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 392

TRT#: 8

SEX: Female

DAY ON TEST: 633

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mesenteric

OBSERVATIONS

- | | | | |
|--------------------------|---------------|-----------------------|-----------------------|
| * Clitoral Gland | | Hyperplasia | Mild |
| * Heart | | Cardiomyopathy | Chronic, Minimal |
| * Intestine Large, Colon | | Parasite Metazoan | |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| * Lung | | Congestion | Acute, Marked |
| | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| Lymph Node | Mediastinal | Pigmentation | Hemosiderin, Moderate |
| * Mammary Gland | | Hyperplasia | Cystic, Mild |
| * Pituitary Gland | | Angiectasis | Mild |
| | Pars Distalis | Cyst | Moderate |
| | Pars Distalis | Hyperplasia | Moderate |
| | Pars Distalis | Pigmentation | Hemosiderin, Minimal |

[Cyst TGLS = 1-7: Cyst, Pars Distalis, Moderate]

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 393

TRT#: 8

SEX: Female

DAY ON TEST: 391

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Esophagus			
Note: TGL#1-11-NCL: ESOPHAGEAL RUPTURE, NOTED AT NECROPSY, NOT APPARENT HISTOPATHOLOGICALLY.			
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Inflammation	Chronic, Minimal
* Lung		Congestion	Acute, Marked
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: CAUSE OF DEATH: UNDETERMINED. SUSPECT ASPHYXIATION SECONDARY TO INGESTA LODGED A ROUND EPIGLOTTIS AND IN TRACHEA. CAUSE OF INGESTA IN THIS AREA NOT DETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 394

TRT#: 8

SEX: Female

DAY ON TEST: 615

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
* Lung		Congestion	Acute, Marked
	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic Active, Mild
	[Congestion TGLS = 2-2+3: Congestion, Acute, Marked]		
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Marked
	[Hyperplasia TGLS = 1-11: Hyperplasia, Cystic, Marked]		
Mesentery	Fat	Inflammation	Chronic Active, Moderate
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Artery	Inflammation	Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Mild
	[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 394

TRT#: 8

SEX: Female

DAY ON TEST: 615

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203074

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Pigmentation

Hemosiderin, Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Mesentery Fat Inflammation;Pancreas Artery Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 395

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia Pigmentation	Mild Lipofuscin, Mild
* Brain		Hydrocephalus	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
[Cyst TGLS = 2-10: Cyst, Duct, Moderate]			
* Intestine Large, Cecum		Inflammation	Chronic Active, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Marked
		Inflammation	Chronic, Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Hyperplasia TGLS = 3-11: Hyperplasia, Hepatocyte, Marked]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Interstitialium	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 4-3: Inflammation, Interstitialium, Chr-Act, Moderate]			
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Lymph Node, Mandibular		Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 395

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203075

ORGAN AND ACCOUNTABLE SITE STATUS

Note: A portion of the pituitary gland adenoma remains embedded in the base of the pons (Slide #05).

[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]

* Spleen		Pigmentation	Hemosiderin, Moderate
* Thyroid Gland	Follicle	Cyst	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Brain Hydrocephalus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 396

TRT#: 8

SEX: Female

DAY ON TEST: 507

DOSE: 240 MG/KG

DISP: Natural Death

HISTO: 9203076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Inflammation	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 397

TRT#: 8

SEX: Female

DAY ON TEST: 630

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pigmentation	Lipofuscin, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	Mild
* Kidney		Leukemia Mononuclear	
* Liver	Centrilobular, Hepatocyte	Degeneration	Fatty, Marked
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		[Degeneration TGLS = 2-4:Degen,Fatty,Hepatocyte,Centrilobular,Marked]	
		[Leukemia Mononuclear TGLS = 2-4: Mononuclear Cell Leukemia]	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Hemosiderin, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Intermed	Cyst	Mild
	Pars Distalis	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 397

TRT#: 8

SEX: Female

DAY ON TEST: 630

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203077

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Heart Atrium Thrombosis; Liver Centrilobular Hepatocyte Degeneration

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 398

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 240 MG/KG

DISP: Terminal Sacrifice

HISTO: 9203078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
Eye	Lens	Cataract	Moderate
	Retina	Degeneration	Moderate
	[Cataract TGLS = 3-13: Cataract, Lens, Moderate]		
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,2-11+12: Fibroadenoma, Multiple]		
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
		Angiectasis	Mild
	Pars Distalis	Cyst	Mild
	[Adenoma TGLS = 4-7: Adenoma, Multiple, Pars Distalis]		
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 5-10: Stromal Polyp]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 399

TRT#: 8

SEX: Female

DAY ON TEST: 634

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Brain		Hydrocephalus	Moderate
* Kidney		Nephropathy	Chronic, Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Interstitium	Inflammation	Chronic Active, Minimal
		Inflammation	Granulomatous, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Moderate
* Ovary			
Note: TGL#3-10-NCL: Cyst, noted at trim, not apparent histopathologically.			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
	Pars Distalis	Pigmentation	Hemosiderin, Minimal
[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]			
* Spleen		Pigmentation	Hemosiderin, Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
		Ulcer	Marked
[Ulcer TGLS = 2-11: Ulcer, Marked]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 399

TRT#: 8

SEX: Female

DAY ON TEST: 634

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203079

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Brain Hydrocephalus;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium xylenesulfonate
CAS Number: 1300-72-7

Date Report Requested: 10/17/2014
Time Report Requested: 20:20:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 400

TRT#: 8

SEX: Female

DAY ON TEST: 653

DOSE: 240 MG/KG

DISP: Moribund Sacrifice

HISTO: 9203080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Minimal
		Leukemia Mononuclear	
		Pigmentation	Lipofuscin, Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Brain		Hemorrhage	Acute, Moderate
		Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Chronic Active, Mild
Eye	Retina	Hemorrhage	Moderate
	[Hemorrhage TGLS = 1-12: Hemorrhage, Retina, Moderate]		
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-15: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Hemosiderin, Minimal
	[Leukemia Mononuclear TGLS = 5-14: Mononuclear Cell Leukemia]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05188-05

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 10/17/2014

Time Report Requested: 20:20:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 400

TRT#: 8

DOSE: 240 MG/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 653

HISTO: 9203080

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-11: Mononuclear Cell Leukemia]			
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
		Leukemia Mononuclear	
	Pars Distalis	Pigmentation	Hemosiderin, Mild
[Adenoma TGLS = 6-7: Adenoma, Pars Distalis]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-11: Mononuclear Cell Leukemia]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Moderate
[Hyperplasia TGLS = 8-13]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6: Mononuclear Cell Leukemia]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Brain Hemorrhage; Pituitary Gland Pars Distalis Adenoma

** END OF REPORT **

* PROTOCOL REQUIRED TISSUE