

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

F2_R2

C Number: C99013
Lock Date: 03/27/2008
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.2.0

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 Lab: BAT

ANIMAL NUM: 1

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0700964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Brain		Mineralization	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
Note: Cystic Degeneration was present in an Eosinophilic Focus.			
		[Basophilic Focus TGLs = 4 - 16]	
		[Eosinophilic Focus TGLs = 2,3 - 14+15]	
* Mammary Gland		Fibrosis	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLs = 1 - 11]	
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

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 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 2

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Natural Death

DAY ON TEST: 614
 HISTO: 0700965

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Necrosis	Mild
* Bone Marrow		Hyperplasia	Mild
* Brain		Demyelination	Minimal
		Hemorrhage	Minimal
* Heart		Leukemia Mononuclear	
		Cardiomyopathy	Mild
* Intestine Large, Cecum		Leukemia Mononuclear	
		Necrosis	Minimal
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5 - 16]		
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
		Necrosis	Mild
	[Leukemia Mononuclear TGLs = 2 - 6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node			

* PROTOCOL REQUIRED TISSUE

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Lab: BAT

ANIMAL NUM: 2

TMT: 1

SEX: Male

DAY ON TEST: 614

DOSE: 0 PPM

DISP: Natural Death

HISTO: 0700965

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Mammary lymph node also has mononuclear cell leukemia (observed on routine mammary section).

* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4 - 15]		
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Prostate		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3 - 14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth	Pulp	Inflammation	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

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Lab: BAT

ANIMAL NUM: 3

TMT: 1
DOSE: 0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 523
HISTO: 0700966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Intestine Large, Cecum	* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 1 - 8]			
* Prostate		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

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Lab: BAT

ANIMAL NUM: 4

TMT: 1
DOSE: 0 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 200
HISTO: 0700967

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Chronic Active, Minimal
* Skin	Ulcer	Moderate
[Ulcer TGLs = 1 - 14]		
* Spleen	Pigmentation	Hemosiderin, Minimal
* Thymus	Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Skin Ulcer

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 Lab: BAT

ANIMAL NUM: 5

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 722
 HISTO: 0700968

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Minimal
* Eye		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Minimal
	[Leukemia Mononuclear TGLs = 3 - 6+7]		
* Lung		Inflammation Leukemia Mononuclear Leukemia Mononuclear	Chronic Active, Minimal
	Lymph Node Pancreatic		
	[Leukemia Mononuclear TGLs = 5 - 16]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7 - 17]		
* Nose		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Skin		Ulcer	Moderate
	[Ulcer TGLs = 1 - 14]		

* PROTOCOL REQUIRED TISSUE

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Lab: BAT

ANIMAL NUM: 5

TMT: 1
DOSE: 0 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 722
HISTO: 0700968

ORGAN AND ACCOUNTABLE SITE STATUS

Spinal Cord	Meninges	Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 4 - 15]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Marked
		Ulcer	Marked
[Ulcer	TGLs = 9 - 19]		
* Stomach, Glandular		Inflammation	Minimal
		Ulcer	Mild
[Ulcer	TGLs = 8 - 18]		
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma	TGLs = 2 - 11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
[Adenoma	TGLs = 6 - 8]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

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 Lab: BAT

ANIMAL NUM: 6

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 474
 HISTO: 0700969

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Thyroid Gland	* Trachea

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

Blood Vessel		Mineralization	Moderate
Note: Aorta, great vessels, pulmonary vasculature, and cardiac vessels are mineralized.			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Mineralization	Mild
* Kidney	Renal Tubule	Dilatation	Moderate
	Pelvis	Dilatation	Marked
	Papilla	Mineralization	Marked
		Necrosis	Moderate
	[Dilatation TGLs = 2,3 - 15+16]		
* Liver		Inflammation	Chronic Active, Minimal
* Lung		Mineralization	Moderate
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Prostate		Inflammation	Minimal
* Spleen	Lymph Follic	Atrophy	Marked
		Pigmentation	Hemosiderin, Mild
* Stomach, Forestomach		Mineralization	Mild
* Stomach, Glandular		Mineralization	Marked
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

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Lab: BAT

ANIMAL NUM: 6

TMT: 1

SEX: Male

DAY ON TEST: 474

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 0700969

ORGAN AND ACCOUNTABLE SITE STATUS

* Urinary Bladder

Transit Epithe

Carcinoma

[Carcinoma TGLs = 1 - 14]

PRIMARY CAUSE OF DEATH

- Urinary Bladder Transit Epithe Carcinoma

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 Lab: BAT

ANIMAL NUM: 7

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Natural Death

DAY ON TEST: 662
 HISTO: 0700970

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Necrosis	Minimal
		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Leukemia Mononuclear	
		Necrosis	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3 - 6+7]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6,7 - 15+16]		
* Pituitary Gland		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5 - 8]		
* Prostate		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2 - 14]		
* Stomach, Forestomach		Dysplasia	Mild
	Epithelium	Hyperplasia	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

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Lab: BAT

ANIMAL NUM: 7

TMT: 1

SEX: Male

DAY ON TEST: 662

DOSE: 0 PPM

DISP: Natural Death

HISTO: 0700970

ORGAN AND ACCOUNTABLE SITE STATUS

Ulcer Moderate

[Leukemia Mononuclear TGLs = 9 - 18]

* Stomach, Glandular

Ulcer Moderate

[Ulcer TGLs = 8 - 17]

* Testes

Interstit Cell

Adenoma

[Adenoma TGLs = 1 - 11]

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 99013 - 05
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 Lab: BAT

ANIMAL NUM: 8

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 670
 HISTO: 0700971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone		Osteopetrosis	Mild
* Bone Marrow		Hyperplasia	Moderate
		Myelofibrosis	Moderate
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	Mild
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Mild
	[Leukemia Mononuclear TGLs = 3 - 6+7]		
* Lung		Leukemia Mononuclear	
	Note: There are plaques of leukocytes lining the endothelium of many arteries within the lungs.		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2 - 14]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

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Lab: BAT

ANIMAL NUM: 8

TMT: 1

SEX: Male

DAY ON TEST: 670

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 0700971

ORGAN AND ACCOUNTABLE SITE STATUS

Inflammation Moderate

Ulcer Moderate

[Ulcer TGLs = 5 - 16]

* Stomach, Glandular

Ulcer Mild

[Ulcer TGLs = 4 - 15]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLs = 1 - 11]

* Thymus

Atrophy Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

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 Lab: BAT

ANIMAL NUM: 9

TMT: 1
DOSE: 0 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 670
HISTO: 0700972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6 - 16]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
		Mixed Tumor Benign	
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
	[Hyperplasia TGLs = 5 - 8]		
* Prostate	Epithelium	Hyperplasia	Minimal
* Skin	Subcut Tiss	Lipoma	
	[Lipoma TGLs = 4 - 15]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2 - 14]		

* PROTOCOL REQUIRED TISSUE

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Lab: BAT

ANIMAL NUM: 9

TMT: 1
DOSE: 0 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 670
HISTO: 0700972

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Dysplasia Hyperplasia Inflammation	Minimal Mild Minimal
* Testes [Adenoma TGLs = 1 - 11]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy Leukemia Mononuclear	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

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 Lab: BAT

ANIMAL NUM: 10

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0700973

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Basophilic Focus TGLs = 2 - 6+7+15]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery		Mesothelioma Malignant	
	Fat	Necrosis	Mild
	[Mesothelioma Malignant TGLs = 3 - 16]		
	[Necrosis TGLs = 1 - 14]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4 - 8]		
* Prostate		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 10

TMT: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0700973

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma Mesothelioma Malignant	
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 11

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0700974

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Eye	Retina	Gliosis	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Carcinoma	
	[Carcinoma TGLs = 1 - 14]		
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2 - 11]		
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 12

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Natural Death

DAY ON TEST: 612
 HISTO: 0700975

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Brain		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1 - 8]		
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Interstit Cell	Hyperplasia	Marked
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 13

TMT: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 726
HISTO: 0700976

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 4 - 15]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Mild
* Nose		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1 - 8]		
* Prostate		Inflammation	Minimal
* Spleen		Hyperplasia	Lymphoid, Marked
	[Hyperplasia TGLs = 3 - 14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2 - 11]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 13

TMT: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 726
HISTO: 0700976

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 14

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0700977

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|---------------|--|--------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Degeneration | Cystic, Minimal |
| | | Eosinophilic Focus | |
| | | Fibrosis | Minimal |
| | Bile Duct | Hyperplasia | Mild |
| | | Inflammation | Chronic Active, Minimal |
| | [Eosinophilic Focus TGLs = 2,3,4 - 14+15+16] | | |
| * Nose | | Inflammation | Minimal |
| * Pancreas | Acinus | Atrophy | Moderate |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 1 - 11] | | |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 15

TMT: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 726
HISTO: 0700978

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
	[Leukemia Mononuclear TGLs = 3 - 6+7]	Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic Active, Moderate
* Nose	Respirat Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Adenoma	
	Acinus	Atrophy	Minimal
Note: Another acinar adenoma, or another section of the one in B14, is present in B06. Only one diagnosed since there was no way to tell whether both = same mass.			
	[Adenoma TGLs = 2 - 14]		
* Prostate		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 15

TMT: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0700978

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

* Thyroid Gland

C Cell

Adenoma

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 16

TMT: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 726
HISTO: 0700979

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Degeneration TGLs = 2 - 14]		
* Pancreas	Acinus	Atrophy	Minimal
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 17

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0700980

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|-----------------|--|-------------------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Accumulation, Hyaline Droplet | Minimal |
| | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | [Clear Cell Focus TGLs = 3 - 15] | | |
| | [Hepatodiaphragmatic Nodule TGLs = 2 - 14] | | |
| Oral Mucosa | Pharyngeal | Hyperplasia | Squamous, Moderate |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 1 - 11] | | |
| * Thymus | | Atrophy | Moderate |
| * Thyroid Gland | C Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 18

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0700981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	

Note: TGL-3 comprises several confluent foci.
 [Eosinophilic Focus TGLs = 3 - 15]
 [Hepatodiaphragmatic Nodule TGLs = 4 - 16]
 [Leukemia Mononuclear TGLs = 5 - 6+7]

* Nose		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Prostate		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2 - 14]		
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 18

TMT: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 726
HISTO: 0700981

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 1 - 11]	Interstit Cell	Hyperplasia	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 19

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0700982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Serosa	Mesothelioma Malignant	
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Prostate		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 20

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0700983

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 3 - 14]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1 - 8]		
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Moderate
	[Adenoma TGLs = 2 - 11]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 21

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0700984

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Hyperplasia	Minimal
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Prostate		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 22

TMT: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 726
HISTO: 0700985

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-----------------|--------------------------------------|--------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| | [Eosinophilic Focus TGLs = 3 - 15] | | |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Prostate | Epithelium | Hyperplasia | Marked |
| | | Inflammation | Minimal |
| * Skin | Subcut Tiss | Fibroma | |
| | [Fibroma TGLs = 2 - 14] | | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 1 - 11] | | |
| * Thymus | | Atrophy | Moderate |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 23

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0700986

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
Note: Cystic Degeneration was present in an Eosinophilic Focus. [Leukemia Mononuclear TGLs = 6 - 6+7]			
* Lung		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
	[Inflammation TGLs = 8 - 3+4]		
Lymph Node	Pancreatic	Inflammation	Mild
	[Inflammation TGLs = 7 - 19]		
* Nose		Inflammation	Minimal
* Pancreas		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin		Squamous Cell Papilloma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 23

TMT: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0700986

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	[Squamous Cell Papilloma TGLs = 1 - 14]	Hyperplasia Leukemia Mononuclear	Histiocytic, Marked
* Testes	[Hyperplasia TGLs = 4,5 - 15+16+17+18] [Leukemia Mononuclear TGLs = 2 - 15+16+17+18] Bilateral, Interstit Cell	Adenoma	
* Thymus	[Adenoma TGLs = 3 - 11]	Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 24

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 673
 HISTO: 0700987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
* Eye	Retina	Gliosis	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Angiectasis	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4 - 6+7]		
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
	Lymph Node Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5 - 17]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 6 - 18]		
* Nose		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 24

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 673
 HISTO: 0700987

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Cyst Epithelial Inclusion Inflammation	Mild
	[Cyst Epithelial Inclusion TGLs = 1 - 14] [Inflammation TGLs = 2 - 15]		
* Spleen		Leukemia Mononuclear Necrosis	Moderate
	[Leukemia Mononuclear TGLs = 3 - 16]		
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation Ulcer	Mild Moderate Marked
	[Ulcer TGLs = 7 - 19]		
* Testes	Germinal Epith Interstit Cell	Degeneration Hyperplasia	Moderate Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
Tooth		Malformation	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 25

TMT: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0700988

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibrosis	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 3 - 15]			
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Prostate		Inflammation	Minimal
* Skin		Fibrosis	Mild
[Fibrosis TGLs = 1 - 14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 2 - 11]			
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 26

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0700989

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Inflammation	Moderate
Note: Cecal inflammation is eosinophilic. [Inflammation TGLs = 3 - 7]			
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Inflammation	Marked
Note: Rectal inflammation is eosinophilic.			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
* Lymph Node, Mesenteric		Ectasia	Mild
[Ectasia TGLs = 2 - 14]			
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Prostate		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 1 - 11]			

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 26

TMT: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0700989

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

* Thyroid Gland

C Cell

Adenoma

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 27

TMT: 1
DOSE: 0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 390
HISTO: 0700990

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Eye	Cornea	Inflammation	Minimal
	[Inflammation TGLs = 1 - 10]		
* Heart		Cardiomyopathy	Minimal
		Thymoma Malignant	Metastatic (Thymus)
* Kidney		Nephropathy	Minimal
* Liver		Necrosis	Mild
* Lung		Thymoma Malignant	Metastatic (Thymus)
	Note: Metastasis consists of cells that are largely spindloid.		
	[Thymoma Malignant TGLs = 3 - 15]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Necrosis	Marked
		Thymoma Malignant	

Note: Thymoma has an abundant spindloid cell element surrounding epithelial elements that are now largely necrotic.

[Thymoma Malignant TGLs = 2 - 14]

PRIMARY CAUSE OF DEATH - Thymus Thymoma Malignant

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 28

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0700991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 2 - 14]		
* Nose		Inflammation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1 - 8]		
* Prostate		Inflammation	Mild
* Spleen		Pigmentation	Hemosiderin, Minimal
* Testes	Interstit Cell	Hyperplasia	Marked
* Thymus		Atrophy	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 29

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 645
 HISTO: 0700992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Esophagus		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
	[Leukemia Mononuclear TGLs = 1,5,6 - 6+7+16+17]	Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
	Lymph Node Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3 - 15]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7 - 18]		
* Prostate		Inflammation	Moderate
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2 - 14]		
* Stomach, Glandular		Erosion	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 4 - 11]		
* Thymus		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 29

TMT: 1

SEX: Male

DAY ON TEST: 645

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 0700992

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 30

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0700993

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|--------------------------|---------------------------|-------------------|-------------------------|
| * Heart | | Cardiomyopathy | Moderate |
| * Intestine Large, Colon | | Parasite Metazoan | |
| * Kidney | | Infarct | Minimal |
| | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 2 - 8] | | |
| * Prostate | Epithelium | Hyperplasia | Minimal |
| * Spleen | | Pigmentation | Hemosiderin, Minimal |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 1 - 11] | | |
| * Thymus | | Atrophy | Moderate |
| * Thyroid Gland | C Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 31

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0700994

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Minimal
* Eye	Lens	Cataract	Mild
	Retina	Degeneration	Moderate
	[Cataract TGLs = 1 - 10]		
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Moderate
	[Inflammation TGLs = 3 - 12]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2 - 11]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 31

TMT: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 726
HISTO: 0700994

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 32

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0700995

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|-------------------|--|-------------------------|-------------------------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | | Leukemia Mononuclear | |
| | | Mixed Cell Focus | |
| * Nose | | Inflammation | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Prostate | | Inflammation | Mild |
| * Spleen | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 1 - 14] | | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 2 - 11] | | |
| * Thyroid Gland | C Cell | Adenoma | |
| | C Cell | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 33

TMT: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 726
HISTO: 0700996

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|------------|---|-------------------------|-------------------------|
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | Pelvis, Transit Epithe | Hyperplasia | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Degeneration | Cystic, Minimal |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | [Clear Cell Focus TGLs = 3 - 7+15] | | |
| * Prostate | | Inflammation | Minimal |
| * Skin | | Squamous Cell Papilloma | |
| | [Squamous Cell Papilloma TGLs = 1 - 14] | | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 2 - 11] | | |
| * Thymus | | Atrophy | Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 34

TMT: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0700997

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Harderian Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 35

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0700998

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate		Inflammation	Minimal
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLs = 2 - 14]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 36

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0700999

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|--------------------------|--|-------------------------|-------------------------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| | [Pheochromocytoma Benign TGLs = 5 - 17] | | |
| * Bone Marrow | | Fibrosis | Minimal |
| | Note: Area of fibrosis appears to represent infarcted bone marrow organizing into fibrous tissue and bone. | | |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Clear Cell Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| * Lymph Node, Mesenteric | | Hyperplasia | Histiocytic, Minimal |
| | [Hyperplasia TGLs = 4 - 16] | | |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 2 - 15] | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Preputial Gland | Duct | Adenoma | |
| | [Adenoma TGLs = 1 - 14] | | |
| * Prostate | | Inflammation | Moderate |
| * Testes | Interstit Cell | Adenoma | |
| | Interstit Cell | Hyperplasia | Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 36

TMT: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0700999

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 3 - 11]

* Thymus

Atrophy

Moderate

* Thyroid Gland

C Cell

Hyperplasia

Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 37

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701000

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Pigmentation	Hemosiderin, Minimal
* Nose		Inflammation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1 - 14]		
* Prostate		Inflammation	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2 - 11]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 38

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Accumulation, Hyaline Droplet	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
		Inflammation	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1 - 14]		
* Prostate		Inflammation	Moderate
* Spleen		Hyperplasia	Lymphoid, Minimal
		Pigmentation	Hemosiderin, Minimal
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 39

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701002

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2 - 14]		
* Prostate		Inflammation	Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Marked
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 40

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 617
 HISTO: 0701003

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 2 - 6+7]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Deep Cervical	Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 5 - 17]		
[Leukemia Mononuclear	TGLs = 3 - 15]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 4 - 16]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 40

TMT: 1
DOSE: 0 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 617
HISTO: 0701003

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1 - 14]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild
		Ulcer	Moderate
* Testes	Germinal Epith	Degeneration	Mild
	Interstit Cell	Hyperplasia	Marked
	[Degeneration TGLs = 6 - 11]		
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 41

TMT: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0701004

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Leukemia Mononuclear	
	[Eosinophilic Focus TGLs = 4 - 15]		
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Inflammation	Minimal
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLs = 1 - 14]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3 - 15]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2 - 11]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 42

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701005

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3 - 15]		
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLs = 1 - 14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2 - 11]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 43

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Brain		Demyelination	Minimal
		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Mild
Note: There also appears to be a ventricular septal defect in this rat (not an available diagnosis in TDMSE).			
* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Mild
* Liver	Bile Duct	Cyst	Minimal
		Hepatodiaphragmatic Nodule	
		Histiocytic Sarcoma	
		Necrosis	Minimal
	[Hepatodiaphragmatic Nodule TGLs = 5 - 16]		
	[Histiocytic Sarcoma TGLs = 2 - 6+7]		
* Lung		Histiocytic Sarcoma	
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Histiocytic Sarcoma TGLs = 6 - 3+4]		
* Prostate		Histiocytic Sarcoma	
* Seminal Vesicle		Histiocytic Sarcoma	
Skeletal Muscle		Histiocytic Sarcoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 43

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701006

ORGAN AND ACCOUNTABLE SITE STATUS

	[Histiocytic Sarcoma TGLs = 4 - 15+17]		
* Skin	Subcut Tiss	Fibroma Histiocytic Sarcoma	
	[Fibroma TGLs = 3 - 14]		
* Spleen	Lymph Follic	Atrophy Hematopoietic Cell Proliferation	Mild Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation Ulcer	Mild Minimal Mild
* Stomach, Glandular		Ulcer	Mild
* Testes	Interstit Cell Germinal Epith	Adenoma Degeneration	Marked
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate
Tooth		Malformation	Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 44

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 625
 HISTO: 0701007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 3 - 15]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate
Zymbal's Gland		Carcinoma	
	[Carcinoma TGLs = 2 - 14]		

PRIMARY CAUSE OF DEATH - Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 45

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701008

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Minimal
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
	Interstitial Cell	Hyperplasia	Moderate
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 46

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701009

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Inflammation	Minimal
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
	Interstitial Cell	Hyperplasia	Minimal
	[Adenoma TGLs = 1 - 11]		
* Thymus		Thymoma Benign	

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 47

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701010

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|--------------------------|---------------------------|--------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Heart | | Cardiomyopathy | Moderate |
| * Intestine Large, Colon | | Parasite Metazoan | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| * Nose | | Inflammation | Minimal |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 1 - 11] | | |
| * Thymus | | Atrophy | Moderate |
| * Thyroid Gland | Follicle | Cyst | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 48

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|---------------------------|---------------------------|----------------------------------|-------------------------|
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Hematopoietic Cell Proliferation | Minimal |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| Lymph Node | Deep Cervical | Ectasia | Mild |
| [Ectasia TGLs = 2 - 14] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Prostate | | Inflammation | Minimal |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| [Adenoma TGLs = 1 - 11] | | | |
| * Thymus | | Atrophy | Moderate |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |
| Tooth | | Malformation | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 49

TMT: 1
 DOSE: 0 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Minimal
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLs = 1 - 14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2 - 11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 50

TMT: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0701013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Colon		Adenoma	
		Parasite Metazoan	
	[Adenoma TGLs = 4 - 16]		
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Hepatodiaphragmatic Nodule TGLs = 3 - 15]		
* Lung		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Minimal
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLs = 1 - 14]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2 - 11]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 50

TMT: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0701013

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

* Thyroid Gland

C Cell

Adenoma

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 51

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701014

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|---------------------------|------------------|-------------------------|
| * Adrenal Cortex | | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Inflammation | Chronic Active, Minimal |
| * Nose | | Inflammation | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Prostate | | Inflammation | Mild |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 1 - 11] | | |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 52

TMT: 3

SEX: Male

DAY ON TEST: 726

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Hemorrhage	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Eosinophilic Focus TGLs = 3 - 15]		
	[Mixed Cell Focus TGLs = 4 - 16]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mesenteric		Ectasia	Moderate
	[Ectasia TGLs = 2 - 14]		
* Nose		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 53

TMT: 3
DOSE: 400 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 726
HISTO: 0701016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
Note: Cystic Degeneration was present in an Eosinophilic Focus. [Mixed Cell Focus TGLs = 2 - 14]			
* Lung		Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
* Nose		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Prostate		Inflammation	Minimal
* Salivary Glands		Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 1 - 11]			
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 53

TMT: 3

SEX: Male

DAY ON TEST: 726

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701016

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 54

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Epididymis		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Basophilic Focus TGLs = 2 - 14]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Pancreas	Acinus	Atrophy	Minimal
* Prostate		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 55

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|------------------------------|------------------|-------------------------|
| * Adrenal Medulla | | Hyperplasia | Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Degeneration | Cystic, Minimal |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| * Nose | | Inflammation | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| | [Hyperplasia TGLs = 2 - 8] | | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 1 - 11] | | |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 56

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 624
 HISTO: 0701019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLs = 3 - 15]		
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Mesothelioma Malignant	
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
Mesentery		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLs = 4 - 16]		
* Pancreas		Atrophy	Moderate
* Pituitary Gland		Adenoma	
	[Adenoma TGLs = 6 - 18]		
* Prostate		Inflammation	Minimal
		Mesothelioma Malignant	
Skeletal Muscle		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLs = 5 - 17]		
* Skin		Schwannoma Malignant	
	[Schwannoma Malignant TGLs = 1 - 14]		
* Testes		Bilateral, Interstit Cell	
		Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 56

TMT: 3

SEX: Male

DAY ON TEST: 624

DOSE: 400 PPM

DISP: Moribund Sacrifice

HISTO: 0701019

ORGAN AND ACCOUNTABLE SITE STATUS

Mesothelioma Malignant

[Adenoma TGLs = 2 - 11]

* Thymus

Atrophy

Marked

* Thyroid Gland

C Cell

Adenoma

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH - Epididymis Mesothelioma Malignant

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 57

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Marked
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung			
Note: There is a pinworm "floater" within a vessel in the lung.			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
	[Hyperplasia TGLs = 1 - 8]		
* Prostate		Inflammation	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2 - 11]		
* Thymus		Atrophy	Marked

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 58

TMT: 3
DOSE: 400 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 726
HISTO: 0701021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hemangiosarcoma	Metastatic (Liver)
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hemangiosarcoma	
		Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Hemangiosarcoma TGLs = 2,3 - 14+15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose		Foreign Body	
		Inflammation	Moderate
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 59

TMT: 3

SEX: Male

DAY ON TEST: 726

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Pancreas	Acinus	Atrophy	Moderate
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLs = 2 - 14]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 60

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 673
 HISTO: 0701023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|--------------------------------|------------------|---------------------------|------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Adrenal Medulla | | Hyperplasia | Moderate |
| Blood Vessel | | Thrombosis | Mild |
| Note: Nasal artery thrombosed. | | | |
| * Bone Marrow | | Lymphoma Malignant | |
| * Eye | | Lymphoma Malignant | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Lymphoma Malignant | |
| | | Nephropathy | Mild |
| * Liver | | Fatty Change | Diffuse, Minimal |
| | Bile Duct | Hyperplasia | Minimal |
| | | Lymphoma Malignant | |
| [Lymphoma Malignant | TGLs = 5 - 6+7] | | |
| Lymph Node | Pancreatic | Lymphoma Malignant | |
| | Deep Cervical | Lymphoma Malignant | |
| [Lymphoma Malignant | TGLs = 3 - 16] | | |
| [Lymphoma Malignant | TGLs = 1 - 14] | | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| * Nose | | Inflammation | Marked |
| | Respirat Epith | Necrosis | Moderate |
| | Olfactory Epi | Necrosis | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 60

TMT: 3
DOSE: 400 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 673
HISTO: 0701023

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLs = 6 - 17]
* Pituitary Gland Pars Distalis Hyperplasia Mild
* Preputial Gland Lymphoma Malignant
* Spleen Hematopoietic Cell Proliferation Mild
Lymphoma Malignant
[Lymphoma Malignant TGLs = 2 - 15]
* Stomach, Forestomach Erosion Minimal
Inflammation Minimal
* Testes Bilateral, Interstit Cell Adenoma
[Adenoma TGLs = 4 - 11]
* Thymus Atrophy Moderate
Lymphoma Malignant

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 61

TMT: 3
DOSE: 400 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0701024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLs = 2 - 14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 62

TMT: 3

SEX: Male

DAY ON TEST: 701

DOSE: 400 PPM

DISP: Moribund Sacrifice

HISTO: 0701025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Epididymis		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Accumulation, Hyaline Droplet	Marked
		Infarct	Minimal
		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Alveolar/Bronchiolar Carcinoma TGLs = 3 - 14]		
* Nose		Inflammation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Note: Testes are small as a result of degeneration (not diagnosed) secondary to tumors.		
	[Adenoma TGLs = 1,2 - 11]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 62

TMT: 3

SEX: Male

DAY ON TEST: 701

DOSE: 400 PPM

DISP: Moribund Sacrifice

HISTO: 0701025

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 63

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701026

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 64

TMT: 3

SEX: Male

DAY ON TEST: 727

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|--------------------------|--------------------------------------|----------------------|-------------------------|
| * Heart | | Cardiomyopathy | Mild |
| * Intestine Large, Colon | | Parasite Metazoan | |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Fatty Change | Diffuse, Minimal |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| | [Eosinophilic Focus TGLs = 2 - 14] | | |
| | [Mixed Cell Focus TGLs = 3 - 15] | | |
| * Nose | | Inflammation | Minimal |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Prostate | | Inflammation | Minimal |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 1 - 11] | | |
| * Thymus | | Atrophy | Marked |
| | | Schwannoma Malignant | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 64

TMT: 3

SEX: Male

DAY ON TEST: 727

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701027

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Malformation

Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 65

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone		Hypertrophy	Mild
	[Hypertrophy TGLs = 4 - 16]		
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLs = 1 - 14]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3 - 15]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 65

TMT: 3

SEX: Male

DAY ON TEST: 727

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701028

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 2 - 11]

* Thymus

Atrophy

Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 66

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 684
 HISTO: 0701029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Eye		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
	[Nephropathy TGLs = 8 - 5]		
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Regeneration	Mild
	[Leukemia Mononuclear TGLs = 3 - 6+7]		
	[Regeneration TGLs = 4 - 16]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6 - 18]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7 - 19]		
* Mammary Gland		Leukemia Mononuclear	
* Nose		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 66

TMT: 3

SEX: Male

DAY ON TEST: 684

DOSE: 400 PPM

DISP: Moribund Sacrifice

HISTO: 0701029

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate		Inflammation	Mild
* Skin	Subcut Tiss	Lipoma	
	[Lipoma TGLs = 5 - 17]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1 - 14]		
* Stomach, Forestomach		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 9 - 11]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2 - 15]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 67

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701030

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|--------------------------------------|--------------------|-------------------------|
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Fibrosis | Minimal |
| | Bile Duct | Hyperplasia | Mild |
| | | Inflammation | Chronic Active, Minimal |
| | [Eosinophilic Focus TGLs = 3 - 14] | | |
| | Mesentery | Necrosis | Minimal |
| | [Necrosis TGLs = 4 - 15] | | |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Angiectasis | Mild |
| | [Angiectasis TGLs = 2 - 8] | | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 1 - 11] | | |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 68

TMT: 3

SEX: Male

DAY ON TEST: 613

DOSE: 400 PPM

DISP: Natural Death

HISTO: 0701031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Moderate
		Myelofibrosis	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Necrosis	Mild
	[Leukemia Mononuclear TGLs = 2 - 6+7]		
* Lung		Leukemia Mononuclear	
		Thrombosis	Minimal
* Nose		Inflammation	Moderate
* Pancreas	Acinus	Atrophy	Mild
* Prostate		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
* Stomach, Glandular		Erosion	Mild
	[Erosion TGLs = 3 - 14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 68

TMT: 3

SEX: Male

DAY ON TEST: 613

DOSE: 400 PPM

DISP: Natural Death

HISTO: 0701031

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Malformation

Minimal

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 69

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Marked
Tooth		Malformation	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 70

TMT: 3

SEX: Male

DAY ON TEST: 726

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Harderian Gland		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLs = 3 - 15]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
* Prostate		Inflammation	Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLs = 1 - 14]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 2 - 11]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 71

TMT: 3

SEX: Male

DAY ON TEST: 617

DOSE: 400 PPM

DISP: Moribund Sacrifice

HISTO: 0701034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	Subcut Tiss	Fibroma	
		Squamous Cell Papilloma	
	[Fibroma TGLs = 1- 14]		
	[Squamous Cell Papilloma TGLs = 2 - 15]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
	[Adenoma TGLs = 3 - 11]		
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 72

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-----------------|--------------------------------------|--------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| | [Eosinophilic Focus TGLs = 3 - 15] | | |
| * Nose | | Inflammation | Minimal |
| * Pancreas | Acinus | Atrophy | Mild |
| * Prostate | | Inflammation | Minimal |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 1 - 11] | | |
| * Thymus | | Atrophy | Moderate |
| * Thyroid Gland | C Cell | Adenoma | |
| | C Cell | Hyperplasia | Minimal |
| | [Adenoma TGLs = 2 - 14] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 73

TMT: 3
DOSE: 400 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0701036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLs = 1- 14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2 - 11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hypertrophy	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 74

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|------------------------------------|------------------|-------------------------|
| * Kidney | | Infarct | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| | [Mixed Cell Focus TGLs = 2 - 14] | | |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 1 - 11] | | |
| * Thymus | | Atrophy | Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 75

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 76

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Basophilic Focus TGLs = 4 - 16]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 3 - 15]		
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Minimal
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLs = 1 - 14]		
* Spleen		Hyperplasia	Lymphoid, Mild
* Stomach, Forestomach		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 76

TMT: 3

SEX: Male

DAY ON TEST: 727

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701039

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 2 - 11]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 77

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701040

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Lipoma	
		Nephropathy	Moderate
	[Lipoma TGLs = 2 - 14]		
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 78

TMT: 3

SEX: Male

DAY ON TEST: 727

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
* Liver		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Hepatodiaphragmatic Nodule	TGLs = 4 - 16]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma	TGLs = 2 - 14]		
* Prostate		Inflammation	Mild
* Spleen		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Marked
		Ulcer	Mild
[Hyperplasia	TGLs = 5 - 17]		
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 78

TMT: 3

SEX: Male

DAY ON TEST: 727

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701041

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 1 - 11]	Interstit Cell	Hyperplasia	Moderate
* Thymus		Atrophy	Moderate
Tooth		Malformation	Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 79

TMT: 3

SEX: Male

DAY ON TEST: 727

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Keratoacanthoma	Multiple
	[Keratoacanthoma TGLs = 1,2 - 14+15]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 3 - 11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 80

TMT: 3
DOSE: 400 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 546
HISTO: 0701043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
* Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
Note: TGL-4, liver mass, appeared to be a congenital anomaly of lobation and not a mass or lesion.			
	[Leukemia Mononuclear	TGLs = 3 - 6+7]	
* Lung		Fibrosis	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear	TGLs = 8 - 3+4]	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear	TGLs = 6 - 17]	
	[Leukemia Mononuclear	TGLs = 5 - 16]	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 80

TMT: 3
DOSE: 400 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 546
HISTO: 0701043

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 7 - 18]		
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 1 - 14]		
* Testes	Germinal Epith	Degeneration	Mild
	Interstit Cell	Hyperplasia	Moderate
[Degeneration	TGLs = 2 - 11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Brain Hemorrhage

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 81

TMT: 3

SEX: Male

DAY ON TEST: 635

DOSE: 400 PPM

DISP: Moribund Sacrifice

HISTO: 0701044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6 - 6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Infiltration Cellular	Plasma Cell, Mild
	[Infiltration Cellular TGLs = 5 - 16]		
* Nose		Foreign Body	
		Inflammation	Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Minimal
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLs = 2 - 14]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	

Note: Part of splenic enlargement (TGL-3) is also congestion (not diagnosed).

[Leukemia Mononuclear TGLs = 3 - 15]

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 81

TMT: 3

SEX: Male

DAY ON TEST: 635

DOSE: 400 PPM

DISP: Moribund Sacrifice

HISTO: 0701044

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation Ulcer	Mild Moderate Mild
[Inflammation TGLs = 7 - 17]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 4 - 11]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 82

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|------------------------------------|------------------|-------------------------|
| * Adrenal Medulla | | Hyperplasia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Clear Cell Focus | |
| | | Degeneration | Cystic, Minimal |
| | Bile Duct | Hyperplasia | Mild |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| | [Mixed Cell Focus TGLs = 4 - 16] | | |
| * Lung | Alveolar Epith | Hyperplasia | Mild |
| * Nose | | Inflammation | Minimal |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Prostate | | Inflammation | Minimal |
| * Skin | Subcut Tiss | Fibroma | Multiple |
| | [Fibroma TGLs = 1,2 - 14+15] | | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 3 - 11] | | |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 83

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
Note: Cystic Degeneration was present in an Eosinophilic Focus.			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 84

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|--|----------------------------------|-------------------------|
| * Adrenal Medulla | | Pheochromocytoma Malignant | |
| | [Pheochromocytoma Malignant TGLs = 4 - 16] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Hematopoietic Cell Proliferation | Minimal |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| | [Eosinophilic Focus TGLs = 3 - 15] | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Prostate | | Inflammation | Minimal |
| * Skin | | Squamous Cell Carcinoma | |
| | [Squamous Cell Carcinoma TGLs = 1 - 14] | | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 2 - 11] | | |
| * Thymus | | Atrophy | Moderate |
| * Thyroid Gland | C Cell | Hyperplasia | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 85

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	[Hepatodiaphragmatic Nodule TGLs = 2 - 14]	Hyperplasia	Minimal
	Alveolar Epith	Infiltration Cellular	Histiocyte, Minimal
	Alveolus	Inflammation	Mild
* Nose		Atrophy	Minimal
* Pancreas	Acinus	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Interstitial Cell	Degeneration	Marked
	Germinal Epith	Hyperplasia	Minimal
	Interstitial Cell		
* Thymus	[Adenoma TGLs = 1 - 11]	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 85

TMT: 3

SEX: Male

DAY ON TEST: 726

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701048

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Follicular Cel

Carcinoma

[Carcinoma TGLs = 3 - 15]

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 86

TMT: 3
DOSE: 400 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 553
HISTO: 0701049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Brain		Thymoma Malignant	Metastatic (Thymus)
* Heart		Cardiomyopathy	Mild
	Artery	Hypertrophy	Moderate
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Thymoma Malignant	Metastatic (Thymus)
	[Thymoma Malignant TGLs = 2 - 15]		
* Lung		Squamous Cell Carcinoma	
		Thymoma Malignant	Metastatic (Thymus)
	Note: TGL-9 was located in mediastinum (site under lung). TGL-7 nodules within lung parenchyma were the same diagnosis so no site was used with the final diagnosis.		
	[Squamous Cell Carcinoma TGLs = 6 - 17]		
	[Thymoma Malignant TGLs = 7,9 - 4+19]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 4 - 16]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Inflammation	Minimal
* Spleen	Lymph Follic	Atrophy	Marked
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 86

TMT: 3

SEX: Male

DAY ON TEST: 553

DOSE: 400 PPM

DISP: Natural Death

HISTO: 0701049

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Thymoma Malignant

Note: This thymoma had a pronounced splindloid appearance, and the distant metastases tended to all appear spindloid also.

[Thymoma Malignant TGLs = 8 - 18]

PRIMARY CAUSE OF DEATH

- Thymus Thymoma Malignant

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 87

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Minimal
		Inflammation	Minimal
* Heart		Cardiomyopathy	Moderate
		Infiltration Cellular	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
Note: Cystic Degeneration was present in an Eosinophilic Focus.			
* Lung		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 88

TMT: 3

SEX: Male

DAY ON TEST: 474

DOSE: 400 PPM

DISP: Moribund Sacrifice

HISTO: 0701051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Brain		Mineralization	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Adenoma	
	[Adenoma TGLs = 2 - 15]		
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 14]		
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 89

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
Note: Cystic Degeneration was present in an Eosinophilic Focus. [Mixed Cell Focus TGLs = 2 - 14]			
* Pancreas	Acinus	Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 90

TMT: 3

SEX: Male

DAY ON TEST: 727

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
[Hepatodiaphragmatic Nodule	TGLs = 4 - 15]		
* Lung		Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma	TGLs = 5 - 16]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Adenoma	
[Adenoma	TGLs = 1 - 12]		
* Prostate		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Rete Testes	Cyst	Marked
[Adenoma	TGLs = 2 - 11,14]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 90

TMT: 3

SEX: Male

DAY ON TEST: 727

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701053

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLs = 3 - 14]

* Thymus

Atrophy

Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 91

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701054

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Eosinophilic Focus TGLs = 2 - 14]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 92

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 553
 HISTO: 0701055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
		Necrosis	Mild
	[Hemorrhage TGLs = 4 - 16]		
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis	Inflammation	Mild
		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3 - 15]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate		Inflammation	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 92

TMT: 3

SEX: Male

DAY ON TEST: 553

DOSE: 400 PPM

DISP: Moribund Sacrifice

HISTO: 0701055

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1 - 14]		
* Stomach, Glandular		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2 - 11]		
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 93

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Epididymis		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
Note: Cystic Degeneration was present in an Eosinophilic Focus.			
	[Eosinophilic Focus TGLs = 3 - 15]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 94

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701057

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2 - 14]		
* Prostate		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 95

TMT: 3

SEX: Male

DAY ON TEST: 727

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign	TGLs = 3 - 15]		
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Colon		Parasite Metazoan	
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Eosinophilic Focus		
	TGLs = 2,4 - 14+16]		
	[Hepatodiaphragmatic Nodule		
	TGLs = 5 - 17]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
	[Hyperplasia		
	TGLs = 6 - 18]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 95

TMT: 3

SEX: Male

DAY ON TEST: 727

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701058

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLs = 1 - 11]

* Thymus

Atrophy

Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 96

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|---|---------------------------|--------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Fatty Change | Diffuse, Mild |
| | Bile Duct | Hyperplasia | Mild |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| Note: Cystic Degeneration was present in an Eosinophilic Focus. | | | |
| [Basophilic Focus TGLs = 3 - 15] | | | |
| * Lung | Alveolar Epith | Hyperplasia | Mild |
| Mesentery | Fat | Necrosis | Minimal |
| [Necrosis TGLs = 2 - 14] | | | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| [Adenoma TGLs = 1 - 11] | | | |
| * Thyroid Gland | C Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 96

TMT: 3
DOSE: 400 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 726
HISTO: 0701059

ORGAN AND ACCOUNTABLE SITE STATUS

C Cell

Hyperplasia

Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 97

TMT: 3
 DOSE: 400 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 2-14]		
* Mammary Gland		Fibrosis	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
* Prostate		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 98

TMT: 3

SEX: Male

DAY ON TEST: 726

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye	Lens	Cataract	Moderate
	Retina	Degeneration	Marked
	[Cataract TGLs = 1 - 10]		
* Harderian Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Adenoma	
	[Adenoma TGLs = 4 - 15]		
* Kidney		Nephropathy	Moderate
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 5 - 16]		
	[Hepatodiaphragmatic Nodule TGLs = 3 - 14]		
* Mammary Gland		Hyperplasia	Mild
* Pancreas	Acinus	Hyperplasia	Mild
* Prostate		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 98

TMT: 3

SEX: Male

DAY ON TEST: 726

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701061

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2 - 11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 99

TMT: 3
DOSE: 400 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 726
HISTO: 0701062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye	Lens	Cataract	Marked
	Retina	Degeneration	Marked
	[Cataract TGLs = 1 - 10]		
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Basophilic Focus TGLs = 5 - 14]		
* Lung	Alveolar Epith	Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Prostate		Inflammation	Mild
* Skin		Inflammation	Moderate
		Ulcer	Minimal
	[Inflammation TGLs = 2,3 - 15+16]		
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 99

TMT: 3

SEX: Male

DAY ON TEST: 726

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701062

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 4 - 11]

* Thymus

Hyperplasia

Lymphoid, Mild

* Thyroid Gland

C Cell

Hyperplasia

Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 100

TMT: 3
DOSE: 400 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 726
HISTO: 0701063

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 2 - 14]		
* Nose	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate		Inflammation	Mild
* Spleen		Hyperplasia	Histiocytic, Mild
	[Hyperplasia TGLs = 3 - 15]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 100

TMT: 3

SEX: Male

DAY ON TEST: 726

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701063

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 101

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701064

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|---------------------------|--------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Degeneration | Cystic, Minimal |
| | Bile Duct | Eosinophilic Focus | |
| | | Hyperplasia | Mild |
| | | Inflammation | Chronic Active, Minimal |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| * Nose | | Inflammation | Moderate |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 1 - 11] | | |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 102

TMT: 5

SEX: Male

DAY ON TEST: 575

DOSE: 800 PPM

DISP: Moribund Sacrifice

HISTO: 0701065

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1 - 14]		
* Prostate		Inflammation	Moderate
* Spleen	Lymph Follic	Atrophy	Mild
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Mild
		Ulcer	Mild
* Stomach, Glandular		Inflammation	Minimal
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 103

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701066

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
Note: Cystic Degeneration was present in an Eosinophilic Focus.			
	[Mixed Cell Focus TGLs = 2 - 14]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate
Tooth		Malformation	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 104

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Clear Cell Focus TGLs = 2 - 14]		
* Pancreas	Acinus	Atrophy	Minimal
* Prostate		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 105

TMT: 5

SEX: Male

DAY ON TEST: 727

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign Pheochromocytoma Complex	
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia Inflammation	Minimal Chronic Active, Minimal
* Pancreas	Acinus	Hyperplasia	Minimal
* Prostate	Epithelium	Hyperplasia	Minimal
* Salivary Glands		Fibrosis	Minimal
* Skin	Subcut Tiss	Fibroma Keratoacanthoma	
	[Fibroma TGLs = 2 - 15]		
	[Keratoacanthoma TGLs = 1 - 14]		
* Spleen		Hyperplasia	Histiocytic, Mild
	[Hyperplasia TGLs = 4 - 16]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 3 - 11]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 105

TMT: 5

SEX: Male

DAY ON TEST: 727

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701068

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 106

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|---------------------------|-----------------------|-------------------------|
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | | Inflammation | Chronic Active, Minimal |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 1 - 14] | | |
| * Prostate | | Inflammation | Mild |
| * Spleen | | Pigmentation | Hemosiderin, Minimal |
| * Testes | Germinal Epith | Degeneration | Mild |
| | Interstit Cell | Hyperplasia | Minimal |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 107

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|---|---------------|--|-------------------------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| Note: Cystic Degeneration was present in an Eosinophilic Focus. | | | |
| | | [Clear Cell Focus TGLs = 5 - 16] | |
| | | [Eosinophilic Focus TGLs = 6 - 17] | |
| | | [Hepatodiaphragmatic Nodule TGLs = 4 - 15] | |
| * Pancreas | Acinus | Atrophy | Moderate |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Preputial Gland | | Adenoma | |
| | | [Adenoma TGLs = 1 - 12] | |
| * Skin | Subcut Tiss | Fibroma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 107

TMT: 5

SEX: Male

DAY ON TEST: 726

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701070

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLs = 2 - 14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 3 - 11]			
* Thymus		Atrophy	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 108

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLs = 2 - 14]		
* Nose		Inflammation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Prostate		Mesothelioma Malignant	
* Seminal Vesicle		Mesothelioma Malignant	
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 109

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Brain		Granular Cell Tumor	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 2,3-14+15]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4 - 16]		
* Prostate		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 110

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Clear Cell Focus TGLs = 2-14]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 111

TMT: 5
DOSE: 800 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0701074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Nose			
Note: There is a "floater" of Harderian gland within the nasal section at level 3.			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2 - 8]		
* Prostate		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 112

TMT: 5

SEX: Male

DAY ON TEST: 534

DOSE: 800 PPM

DISP: Moribund Sacrifice

HISTO: 0701075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|------------------------|--------------------------------|----------------|-------------------|
| * Brain | | Necrosis | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | Bile Duct | Hyperplasia | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 1 - 14] | | |
| * Prostate | | Inflammation | Mild |
| * Spleen | | Pigmentation | Hemosiderin, Mild |
| * Stomach, Forestomach | | Inflammation | Mild |
| | | Ulcer | Moderate |
| * Stomach, Glandular | | Inflammation | Minimal |
| * Testes | Germinal Epith | Degeneration | Mild |
| | Interstit Cell | Hyperplasia | Minimal |
| | [Degeneration TGLs = 2 - 11] | | |
| * Thymus | | Atrophy | Moderate |

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 113

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 565
 HISTO: 0701076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Thyroid Gland	* Trachea		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage Leukemia Mononuclear	Moderate
	[Hemorrhage TGLs = 1,2 - 9+14]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Fatty Change Leukemia Mononuclear	Diffuse, Mild
	[Leukemia Mononuclear TGLs = 5,6 - 6+7+16]		
* Lung		Inflammation Leukemia Mononuclear	Chronic Active, Minimal
	Note: Foci (TGL-8) are dark due to hemorrhage associated with the inflammation.		
	[Inflammation TGLs = 8 - 3+4]		
Lymph Node	Pancreatic Mediastinal	Leukemia Mononuclear Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 9 - 18]		
	[Leukemia Mononuclear TGLs = 7 - 17]		
* Nose	Respirat Epith	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 113

TMT: 5
DOSE: 800 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 565
HISTO: 0701076

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Minimal
* Pancreas	Duct	Inflammation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4 - 15]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Stomach, Glandular		Erosion	Moderate
		Inflammation	Minimal
	[Erosion TGLs = 10 - 19]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 3 - 11]		
* Thymus		Atrophy	Marked
* Urinary Bladder		Inflammation	Mild
		Necrosis	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 114

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
	Epicardium	Inflammation	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Mild
Lymph Node	Mediastinal	Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLs = 3 - 15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 4 - 16]			
* Preputial Gland		Adenoma	
[Adenoma TGLs = 1 - 14]			
* Prostate		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 2 - 11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 115

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 617
 HISTO: 0701078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Inflammation	Marked
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLs = 1 - 14]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Marked
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

CONTRIBUTORY CAUSE OF DEATH - Prostate Inflammation

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 116

TMT: 5
DOSE: 800 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 694
HISTO: 0701079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|----------------------------|----------------------------------|----------------------------------|---------------------------------------|
| * Adrenal Medulla | | Hyperplasia | Minimal |
| * Bone Marrow | | Hyperplasia | Moderate |
| * Heart | | Cardiomyopathy | Mild |
| | Atrium | Thrombosis | Minimal |
| * Intestine Small, Jejunum | | Leiomyosarcoma | |
| | [Leiomyosarcoma TGLs = 3 - 15] | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Degeneration | Cystic, Minimal |
| | | Fibrosis | Minimal |
| | Bile Duct | Hyperplasia | Mild |
| | | Necrosis | Mild |
| Mesentery | | Leiomyosarcoma | Metastatic (Intestine Small, Jejunum) |
| | [Leiomyosarcoma TGLs = 4 - 16] | | |
| * Nose | | Inflammation | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 1 - 14] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Necrosis | Mild |
| * Testes | Bilateral, Interstit Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 116

TMT: 5

SEX: Male

DAY ON TEST: 694

DOSE: 800 PPM

DISP: Natural Death

HISTO: 0701079

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 2 - 11]

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH - Intestine Small, Jejunum Leiomyosarcoma

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 117

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Inflammation	Chronic Active, Mild
		Necrosis	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hyperplasia	Histiocytic, Mild
		Hyperplasia	Lymphoid, Moderate
	[Hyperplasia TGLs = 2 - 14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 118

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
		Necrosis	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Marked
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Basophilic Focus TGLs = 2 - 14]		
* Nose		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4 - 16]		
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 118

TMT: 5

SEX: Male

DAY ON TEST: 727

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701081

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

[Adenoma TGLs = 3 - 15]

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 119

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Natural Death

DAY ON TEST: 295
 HISTO: 0701082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow	Hyperplasia	Minimal
* Brain	Hemorrhage	Mild
	Leukemia Mononuclear	
* Heart	Cardiomyopathy	Mild
* Kidney	Leukemia Mononuclear	
* Liver	Leukemia Mononuclear	
	Necrosis	Minimal
* Lung	Leukemia Mononuclear	
* Lymph Node, Mesenteric	Leukemia Mononuclear	
* Spleen	Leukemia Mononuclear	
* Thymus	Necrosis	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 120

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|----------------------|------------------------------------|--------------------|----------------------|
| * Bone Marrow | | Hyperplasia | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Islets, Pancreatic | | Hyperplasia | Moderate |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Degeneration | Cystic, Minimal |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Mild |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Spleen | | Hyperplasia | Histiocytic, Marked |
| | [Hyperplasia TGLs = 2,3 - 14+15] | | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 1 - 11] | | |
| * Thymus | | Atrophy | Moderate |
| * Thyroid Gland | C Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 121

TMT: 5
DOSE: 800 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 726
HISTO: 0701084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
Lymph Node	Deep Cervical	Ectasia	Mild
[Ectasia TGLs = 3 - 15]			
* Mammary Gland		Hyperplasia	Mild
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLs = 4 - 16]			
* Nose		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 6 - 18]			
* Prostate		Inflammation	Minimal
* Spleen		Hyperplasia	Histiocytic, Mild
[Hyperplasia TGLs = 2 - 14]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Moderate
[Adenoma TGLs = 1 - 11]			

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 121

TMT: 5

SEX: Male

DAY ON TEST: 726

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701084

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Zymbal's Gland		Carcinoma	
[Carcinoma TGLs = 5 - 17]			

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 122

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
Note: Cystic Degeneration was present in an Eosinophilic Focus.			
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose		Chondroma	
	[Chondroma TGLs = 2 - 14]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate	Epithelium	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 122

TMT: 5

SEX: Male

DAY ON TEST: 727

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701085

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

* Thyroid Gland

C Cell

Hyperplasia

Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 123

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Minimal
* Skin	Subcut Tiss	Lipoma	
	[Lipoma TGLs = 2 - 14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 124

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney	Pelvis	Inflammation	Minimal
	Pelvis	Inflammation	Mild
		Nephropathy	Mild
Note: Renal cortex and medulla also have inflammation.			
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Pigmentation	Hemosiderin, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 1,2 - 14+15]			
* Pancreas	Acinus	Atrophy	Minimal
* Prostate		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 3 - 11]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 125

TMT: 5

SEX: Male

DAY ON TEST: 377

DOSE: 800 PPM

DISP: Moribund Sacrifice

HISTO: 0701088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|-------------------|---|----------------------------------|---------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Bone Marrow | | Hyperplasia | Moderate |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Fatty Change | Diffuse, Mild |
| | | Hematopoietic Cell Proliferation | Minimal |
| | [Fatty Change TGLs = 2 - 6+7] | | |
| * Prostate | | Inflammation | Moderate |
| * Skin | Subcut Tiss | Sarcoma | |
| | Note: A toluidine blue stain was performed upon slide 14 (TGL-1) to identify mast cells based upon metachromatic staining granules. | | |
| | Note: The majority of the tumor cell population did not contain metachromatic granules, so mast cell tumor could not be confirmed. | | |
| | [Sarcoma TGLs = 1 - 14] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| * Testes | Germinal Epith | Degeneration | Moderate |
| | Interstit Cell | Hyperplasia | Mild |
| * Thymus | | Atrophy | Moderate |
| * Urinary Bladder | | Inflammation | Mild |

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Sarcoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 126

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
Note: Cystic Degeneration was present in an Eosinophilic Focus.			
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 14]		
* Prostate	Epithelium	Hyperplasia	Minimal
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLs = 2 - 15]		
* Spleen		Hyperplasia	Histiocytic, Mild
		Hyperplasia	Lymphoid, Mild
	[Hyperplasia TGLs = 4 - 16]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 3 - 11]		
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 126

TMT: 5

SEX: Male

DAY ON TEST: 726

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701089

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 127

TMT: 5

SEX: Male

DAY ON TEST: 726

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney	Cortex	Cyst	Mild
		Nephropathy	Mild
	[Cyst TGLs = 6 - 5]		
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
	[Clear Cell Focus TGLs = 4,5 - 16+17]		
	[Hepatodiaphragmatic Nodule TGLs = 3 - 15]		
* Prostate	Epithelium	Hyperplasia	Minimal
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLs = 1 - 14]		
* Spleen		Hyperplasia	Lymphoid, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2 - 11]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 127

TMT: 5

SEX: Male

DAY ON TEST: 726

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701090

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 128

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|---------------|---------------------------|------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| * Prostate | | Inflammation | Minimal |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 1 - 11] | | |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 129

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|------------|--------------------------------------|--------------------|-------------------------|
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | [Eosinophilic Focus TGLs = 2 - 14] | | |
| * Nose | | Inflammation | Minimal |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Testes | Interstitial Cell | Adenoma | |
| | Germinal Epith | Degeneration | Marked |
| | [Adenoma TGLs = 1 - 11] | | |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 130

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 614
 HISTO: 0701093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Astrocytoma	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Moderate
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Moderate
	[Inflammation TGLs = 2 - 14]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Brain Astrocytoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 131

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Natural Death

DAY ON TEST: 513
 HISTO: 0701094

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Necrosis	Moderate
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Moderate
* Heart		Leukemia Mononuclear Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear Necrosis	Minimal
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Prostate		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2 - 14]		
* Testes	Interstitial Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 131

TMT: 5

SEX: Male

DAY ON TEST: 513

DOSE: 800 PPM

DISP: Natural Death

HISTO: 0701094

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 1 - 11] Interstit Cell Hyperplasia Moderate

* Thymus Leukemia Mononuclear

* Thyroid Gland C Cell Hyperplasia Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 132

TMT: 5

SEX: Male

DAY ON TEST: 726

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701095

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
Note: Cystic Degeneration was present in an Eosinophilic Focus.			
[Mixed Cell Focus TGLs = 2 - 14]			
* Lung	Alveolar Epith	Hyperplasia	Marked
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 1 - 11]			
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 132

TMT: 5

SEX: Male

DAY ON TEST: 726

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701095

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 133

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
Note: Cystic Degeneration was present in an Eosinophilic Focus. [Eosinophilic Focus TGLs = 2 - 14]			
* Nose		Inflammation	Minimal
* Prostate	Epithelium	Hyperplasia	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 1 - 11]			
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 134

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701097

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-----------------|---|-------------------------|--------|
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | | Mixed Cell Focus | |
| * Nose | | Inflammation | Mild |
| * Pancreas | Acinus | Atrophy | Mild |
| * Skin | | Keratoacanthoma | |
| | | Squamous Cell Papilloma | |
| | [Keratoacanthoma TGLs = 2 - 15] | | |
| | [Squamous Cell Papilloma TGLs = 1 - 14] | | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 3 - 11] | | |
| * Thymus | | Atrophy | Marked |
| * Thyroid Gland | C Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 135

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
	[Clear Cell Focus TGLs = 2 - 14]		
* Nose		Inflammation	Minimal
* Prostate	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 136

TMT: 5

SEX: Male

DAY ON TEST: 726

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701099

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	[Eosinophilic Focus TGLs = 3 - 15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLs = 1 - 14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2 - 11]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 137

TMT: 5
DOSE: 800 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 693
HISTO: 0701100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|------------------|---------------------------------|----------------------|--------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| | | Necrosis | Minimal |
| * Bone Marrow | | Leukemia Mononuclear | |
| | | Necrosis | Mild |
| * Brain | | Hemorrhage | Mild |
| | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Degeneration | Cystic, Mild |
| | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| | | Necrosis | Moderate |
| | [Necrosis TGLs = 4,5 - 16+17] | | |
| * Lung | | Leukemia Mononuclear | |
| Mesentery | Fat | Necrosis | Minimal |
| | [Necrosis TGLs = 2 - 14] | | |
| * Pancreas | Acinus | Atrophy | Minimal |
| | | Inflammation | Moderate |
| | | Necrosis | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 137

TMT: 5

SEX: Male

DAY ON TEST: 693

DOSE: 800 PPM

DISP: Natural Death

HISTO: 0701100

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Exuberant granulation tissue response to necrosis in pancreas is responsible for mass (TGL-3).

[Inflammation TGLs = 3 - 15]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 6 - 18]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLs = 1 - 11]

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 138

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|---------------|--|------------------|----------------------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | Bile Duct | Basophilic Focus | |
| | | Hyperplasia | Mild |
| | | Inflammation | Chronic Active, Mild |
| | | Mixed Cell Focus | |
| | [Mixed Cell Focus TGLs = 2 - 7,3 - 14] | | |
| * Spleen | | Hyperplasia | Histiocytic, Minimal |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 1 - 11] | | |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 139

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
Blood Vessel		Inflammation	Minimal
Note: Vascular inflammation involves a seminal vesicular artery.			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Prostate		Inflammation	Minimal
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLs = 1 - 14]		
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Marked
* Thymus		Atrophy	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 140

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Eosinophilic Focus TGLs = 3 - 15]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 4 - 16]		
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLs = 1 - 14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2 - 11]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 140

TMT: 5
DOSE: 800 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0701103

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 141

TMT: 5

SEX: Male

DAY ON TEST: 727

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLs = 2 - 14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 142

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|--|---------------------------|--------------------|-------------------------|
| * Adrenal Cortex | | Hyperplasia | Minimal |
| Blood Vessel | | Inflammation | Minimal |
| Note: Vascular inflammation involves one renal artery. | | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| [Mixed Cell Focus TGLs = 2 - 14] | | | |
| * Pancreas | Acinus | Atrophy | Moderate |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Prostate | Epithelium | Hyperplasia | Minimal |
| | | Inflammation | Minimal |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| [Adenoma TGLs = 1 - 11] | | | |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 142

TMT: 5

SEX: Male

DAY ON TEST: 727

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701105

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Marked

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 143

TMT: 5
DOSE: 800 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 726
HISTO: 0701106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 2 - 14]		
* Nose		Inflammation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3 - 15]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 144

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|---|-----------------------------|--------------------|-------------------------|
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | | Inflammation | Chronic Active, Minimal |
| Note: Cystic Degeneration was present in an Eosinophilic Focus. | | | |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 1 - 11] | | |
| * Thymus | | Atrophy | Marked |
| * Thyroid Gland | Follicular Cel | Carcinoma | |
| | C Cell | Hyperplasia | Minimal |
| | [Carcinoma TGLs = 2 - 14] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 145

TMT: 5

SEX: Male

DAY ON TEST: 57

DOSE: 800 PPM

DISP: Moribund Sacrifice

HISTO: 0701108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Liver	Inflammation	Chronic Active, Minimal
* Lung	Atelectasis	

PRIMARY CAUSE OF DEATH - Lung Atelectasis

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 146

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLs = 3 - 15]		
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Prostate		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2 - 14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 147

TMT: 5

SEX: Male

DAY ON TEST: 727

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Eye	Lens	Cataract	Marked
	Retina	Degeneration	Marked
Note: Left eye appears small because of shrinkage of the lens with marked cataract formation.			
	[Cataract TGLs = 4 - 10]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 2- 14]		
* Nose		Inflammation	Minimal
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLs = 3 - 15]		
* Spleen		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLs = 5 - 16]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 147

TMT: 5

SEX: Male

DAY ON TEST: 727

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701110

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 148

TMT: 5
DOSE: 800 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0701111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 2,3 - 14+15]		
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Inflammation	Mild
* Spleen		Hyperplasia	Lymphoid, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 149

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
Note: Most of the foci in this case are aggregates of hyperplastic bile ductules. [Hyperplasia TGLs = 1 - 14]			
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 2 - 11]			
* Thymus		Atrophy	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 150

TMT: 5
 DOSE: 800 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 151

TMT: 7
 DOSE: 1600 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
Note: TGL-4 foci are of various types and also probably due to bile ductule hyperplasia.			
		[Hepatodiaphragmatic Nodule TGLs = 3 - 15]	
		[Mixed Cell Focus TGLs = 4 - 6+7+16]	
* Lung		Alveolar/Bronchiolar Adenoma	
* Pancreas	Acinus	Atrophy	Minimal
* Skin		Keratoacanthoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 151

TMT: 7

SEX: Male

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701114

ORGAN AND ACCOUNTABLE SITE STATUS

[Keratoacanthoma TGLs = 1 - 14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 2 - 11]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
Tooth		Malformation	Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 152

TMT: 7

SEX: Male

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Moderate
* Nose		Inflammation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Adenoma	
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLs = 1 - 14]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2 - 15]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 3 - 11]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 152

TMT: 7

SEX: Male

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701115

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 153

TMT: 7
 DOSE: 1600 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Hepatodiaphragmatic Nodule TGLs = 2 - 14]		
	[Mixed Cell Focus TGLs = 3 - 6+7+15]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 154

TMT: 7
 DOSE: 1600 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3 - 8]		
* Prostate		Inflammation	Minimal
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLs = 1 - 14]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2 - 11]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 154

TMT: 7

SEX: Male

DAY ON TEST: 726

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701117

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 155

TMT: 7

SEX: Male

DAY ON TEST: 726

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Nose		Inflammation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Adenoma	
	[Adenoma TGLs = 1 - 14]		
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLs = 2 - 15]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 3 - 11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 156

TMT: 7

SEX: Male

DAY ON TEST: 726

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Pancreas	Acinus	Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 157

TMT: 7

SEX: Male

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Clear Cell Focus TGLs = 2 - 14]		
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 158

TMT: 7
 DOSE: 1600 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 3 - 15]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Minimal
* Nose		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Inflammation	Minimal
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLs = 1 - 14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2 - 11]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 158

TMT: 7

SEX: Male

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701121

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 159

TMT: 7
 DOSE: 1600 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|----------------------|------------------------------------|--------------------|-------------------------|
| * Heart | | Cardiomyopathy | Mild |
| * Islets, Pancreatic | | Adenoma | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Angiectasis | Minimal |
| | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| | [Mixed Cell Focus TGLs = 2 - 14] | | |
| * Preputial Gland | | Hyperplasia | Mild |
| * Prostate | | Inflammation | Minimal |
| * Spleen | | Pigmentation | Hemosiderin, Minimal |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 1 - 11] | | |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 160

TMT: 7
 DOSE: 1600 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Eye	Retina	Degeneration	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Clear Cell Focus	
		Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 14]		
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2 - 11]		
* Thymus		Atrophy	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 161

TMT: 7

SEX: Male

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
Note: Cystic Degeneration was present in an Eosinophilic Focus.			
			[Clear Cell Focus TGLs = 3 - 15]
Mesentery	Fat	Necrosis	Mild
			[Necrosis TGLs = 2 - 14]
* Testes	Bilateral, Interstit Cell	Adenoma	
			[Adenoma TGLs = 1 - 11]
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 162

TMT: 7

SEX: Male

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 2 - 15]		
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 14]		
* Thymus		Atrophy	Marked

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 163

TMT: 7

SEX: Male

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Mild
		Inflammation	Granulomatous, Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Inflammation	Minimal
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLs = 1 - 14]		
* Spleen		Hyperplasia	Histiocytic, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2 - 11]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 164

TMT: 7
 DOSE: 1600 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|---|---------------------------|----------------------------------|-------------------------|
| * Bone Marrow | | Histiocytic Sarcoma | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| Note: Cystic Degeneration was present in an Eosinophilic Focus. | | | |
| * Nose | | Inflammation | Mild |
| * Prostate | | Inflammation | Minimal |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 1 - 11] | | |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 165

TMT: 7

SEX: Male

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Angiectasis	Minimal
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Clear Cell Focus TGLs = 2 - 14]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3 - 15]		
* Prostate		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 166

TMT: 7

SEX: Male

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
	[Eosinophilic Focus TGLs = 2-14]		
	[Mixed Cell Focus TGLs = 3 - 15]		
* Lung	Alveolar Epith	Hyperplasia	Mild
* Nose		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 167

TMT: 7

SEX: Male

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
	[Clear Cell Focus TGLs = 3 - 15]		
* Pancreas	Acinus	Atrophy	Minimal
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLs = 1 - 14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2 - 11]		
* Thymus		Atrophy	Moderate
Tooth		Malformation	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 168

TMT: 7
 DOSE: 1600 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|---------------|--|------------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Mild |
| * Epididymis | | Mesothelioma Malignant | |
| | [Mesothelioma Malignant TGLs = 1 - 14] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Degeneration | Cystic, Minimal |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| | [Degeneration TGLs = 5 - 17] | | |
| * Nose | | Inflammation | Minimal |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Spleen | | Hyperplasia | Histiocytic, Moderate |
| | | Mesothelioma Malignant | |
| | [Hyperplasia TGLs = 3,4 - 15+16] | | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | | Mesothelioma Malignant | |
| | [Adenoma TGLs = 2 - 11] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 168

TMT: 7

SEX: Male

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701131

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 169

TMT: 7
 DOSE: 1600 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 2 - 14]		
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 170

TMT: 7
 DOSE: 1600 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 3 - 15]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Adenoma	
		Inflammation	Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
	[Fibrosarcoma TGLs = 1 - 14]		
* Stomach, Forestomach		Fibrosis	Mild
		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2 - 11]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

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First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 170

TMT: 7

SEX: Male

DAY ON TEST: 726

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701133

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
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 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 171

TMT: 7

SEX: Male

DAY ON TEST: 726

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 2 - 14]		
* Lymph Node, Mesenteric		Atrophy	Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Prostate	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 172

TMT: 7
 DOSE: 1600 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3 - 6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4 - 14]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2 - 5]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 172

TMT: 7

SEX: Male

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701135

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLs = 1 - 11]

* Thymus

Atrophy

Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 173

TMT: 7

SEX: Male

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	

Note: Cystic Degeneration was present in an Eosinophilic Focus.

[Eosinophilic Focus TGLs = 2 - 14]

* Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Minimal
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Stomach, Forestomach		Dysplasia	Minimal
	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLs = 1 - 11]

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 173

TMT: 7

SEX: Male

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701136

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

* Thyroid Gland

C Cell

Adenoma

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 174

TMT: 7

SEX: Male

DAY ON TEST: 186

DOSE: 1600 PPM

DISP: Natural Death

HISTO: 0701137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Liver		Necrosis	Moderate
[Necrosis TGLs = 1 - 6+7]			
* Spleen	Lymph Follic	Atrophy	Marked
		Pigmentation	Hemosiderin, Minimal
* Stomach, Glandular		Erosion	Mild
* Thymus		Necrosis	Moderate

PRIMARY CAUSE OF DEATH

- Liver Necrosis

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 175

TMT: 7
 DOSE: 1600 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|------------------------------------|-----------------------|-------------------------|
| * Bone Marrow | | Inflammation | Granulomatous, Mild |
| * Brain | | Granular Cell Tumor | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Degeneration | Cystic, Minimal |
| | | Fibrosis | Minimal |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| | [Mixed Cell Focus TGLs = 2 - 14] | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| | [Hyperplasia TGLs = 3 - 15] | | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 1 - 11] | | |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 176

TMT: 7
 DOSE: 1600 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|---|---------------------------|-----------------------|------------------------------------|
| * Bone Marrow | | Hyperplasia | Mild |
| * Brain | | Infiltration Cellular | Mononuclear CI, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| Note: Cystic Degeneration was present in an Eosinophilic Focus. | | | |
| | | | [Mixed Cell Focus TGLs = 3 - 15] |
| Mesentery | Fat | Necrosis | Minimal |
| | | | [Necrosis TGLs = 4 - 16] |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Skin | Subcut Tiss | Fibroma | |
| | | | [Fibroma TGLs = 1 - 14] |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | | | [Adenoma TGLs = 2 - 11] |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

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First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 176

TMT: 7

SEX: Male

DAY ON TEST: 726

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701139

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 177

TMT: 7
 DOSE: 1600 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLs = 4 - 16]			
* Preputial Gland	Duct	Ectasia	Marked
[Ectasia TGLs = 2 - 15]			
* Skin	Epidermis	Hyperkeratosis	Moderate
[Hyperkeratosis TGLs = 3 - 14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 1 - 11]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 178

TMT: 7
DOSE: 1600 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 726
HISTO: 0701141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 3,4 - 15+16]		
* Nose		Inflammation	Moderate
	Olfactory Epi	Metaplasia	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5 - 17]		
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLs = 1 - 14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2 - 11]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 179

TMT: 7

SEX: Male

DAY ON TEST: 726

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-----------------|------------------------------------|------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Degeneration | Cystic, Minimal |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| | [Basophilic Focus TGLs = 1 - 14] | | |
| * Nose | | Inflammation | Mild |
| * Pancreas | Acinus | Atrophy | Moderate |
| * Prostate | Epithelium | Hyperplasia | Minimal |
| * Spleen | | Hyperplasia | Lymphoid, Mild |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 2 - 11] | | |
| * Thymus | | Atrophy | Moderate |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 180

TMT: 7
 DOSE: 1600 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|------------|--------------------------------------|--------------------|-------------------------|
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Degeneration | Cystic, Minimal |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| | [Eosinophilic Focus TGLs = 2 - 14] | | |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 1 - 11] | | |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 181

TMT: 7

SEX: Male

DAY ON TEST: 677

DOSE: 1600 PPM

DISP: Moribund Sacrifice

HISTO: 0701144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1 - 8]		
* Prostate		Inflammation	Mild
* Spleen		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2 - 11]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 182

TMT: 7
 DOSE: 1600 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|--|---------------------------|--------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| Note: Cystic Degeneration was present in an Eosinoophilic Focus. | | | |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Prostate | | Inflammation | Minimal |
| * Spleen | | Hyperplasia | Lymphoid, Mild |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 1 - 11] | | |
| * Thymus | | Atrophy | Moderate |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 183

TMT: 7

SEX: Male

DAY ON TEST: 726

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Prostate		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 184

TMT: 7
 DOSE: 1600 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Clear Cell Focus TGLs = 2 - 14]		
* Lung		Fibrosis	Minimal
* Mammary Gland		Fibroadenoma	
* Nose		Inflammation	Minimal
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
Tooth		Malformation	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 185

TMT: 7

SEX: Male

DAY ON TEST: 726

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLs = 2 - 14]		
* Spleen		Accessory Spleen	
	[Accessory Spleen TGLs = 3 - 15]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
	[Adenoma TGLs = 4 - 15]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 186

TMT: 7
 DOSE: 1600 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Clear Cell Focus TGLs = 3 - 15]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLs = 4 - 16]		
* Prostate		Inflammation	Minimal
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLs = 1 - 14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2 - 11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 187

TMT: 7

SEX: Male

DAY ON TEST: 726

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Inflammation	Granulomatous, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
	Bile Duct	Inflammation	Suppurative, Mild
		Mixed Cell Focus	
	[Basophilic Focus TGLs = 5 - 17]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Mild
	[Alveolar/Bronchiolar Adenoma TGLs = 4 - 16]		
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
	[Fibroadenoma TGLs = 1 - 14]		
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Moderate
	[Inflammation TGLs = 2 - 15]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 187

TMT: 7

SEX: Male

DAY ON TEST: 726

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701150

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 3 - 11]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 188

TMT: 7

SEX: Male

DAY ON TEST: 726

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
Note: Cystic Degeneration was present in an Eosinophilic Focus.			
[Mixed Cell Focus TGLs = 3 - 15]			
* Lung	Alveolar Epith	Metaplasia	Squamous, Minimal
Lymph Node	Pancreatic	Inflammation	Minimal
[Inflammation TGLs = 1 - 14]			
* Mammary Gland		Hyperplasia	Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 2 - 11]			
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 188

TMT: 7

SEX: Male

DAY ON TEST: 726

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701151

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 189

TMT: 7
 DOSE: 1600 PPM

SEX: Male
 DISP: Natural Death

DAY ON TEST: 680
 HISTO: 0701152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------|--------------------------------|------------------|-------------------------|
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| * Nose | | Inflammation | Minimal |
| Oral Mucosa | | Hyperplasia | Marked |
| | | Inflammation | Chronic Active, Marked |
| | [Inflammation TGLs = 2 - 14] | | |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Prostate | | Inflammation | Minimal |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 1 - 11] | | |
| * Thymus | | Atrophy | Marked |

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 190

TMT: 7
 DOSE: 1600 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701153

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Brain		Gliosis	Focal, Mild
* Heart		Cardiomyopathy	Moderate
	Atrium	Thrombosis	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 2,3 - 14+15]		
* Prostate		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate
Tooth		Malformation	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 191

TMT: 7

SEX: Male

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
	[Clear Cell Focus TGLs = 3 - 6+7+15]		
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Hyperplasia	Minimal
* Nose	Respirat Epith	Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLs = 2 - 14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 191

TMT: 7

SEX: Male

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701154

ORGAN AND ACCOUNTABLE SITE STATUS

C Cell

Hyperplasia

Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 192

TMT: 7

SEX: Male

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLs = 2 - 14]		
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum		Adenoma	
	[Adenoma TGLs = 3 - 15]		
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 193

TMT: 7

SEX: Male

DAY ON TEST: 621

DOSE: 1600 PPM

DISP: Moribund Sacrifice

HISTO: 0701156

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Astrocytoma	
		Carcinoma	
	[Astrocytoma TGLs = 2 - 14]		
* Harderian Gland		Degeneration	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Prostate		Inflammation	Mild
* Spleen		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Inflammation	Mild
		Ulcer	Moderate
	[Ulcer TGLs = 3 - 15]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Brain Astrocytoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 194

TMT: 7

SEX: Male

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 2 - 14]		
* Nose		Inflammation	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Prostate	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 195

TMT: 7
 DOSE: 1600 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate		Inflammation	Minimal
* Salivary Glands	Duct	Cyst	Marked
	[Cyst TGLs = 2 - 14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Cyst	Minimal
	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 196

TMT: 7
 DOSE: 1600 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|---|--|---------------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| | | Necrosis | Minimal |
| Note: Cystic Degeneration was present in an Eosinophilic Focus.
[Mixed Cell Focus TGLs = 4 - 16] | | | |
| * Skin | | Cyst Epithelial Inclusion | Multifocal |
| | [Cyst Epithelial Inclusion TGLs = 1,3 - 14+15] | | |
| Spinal Cord | | Astrocytoma | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 2 - 11] | | |
| * Thymus | | Atrophy | Moderate |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 197

TMT: 7

SEX: Male

DAY ON TEST: 684

DOSE: 1600 PPM

DISP: Moribund Sacrifice

HISTO: 0701160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Hyperplasia	Marked
* Brain		Hemorrhage	Moderate
	[Hemorrhage TGLs = 5 - 9+16]	Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Infarct	Minimal
		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Angiectasis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4 - 6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3 - 15]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Prostate		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 197

TMT: 7

SEX: Male

DAY ON TEST: 684

DOSE: 1600 PPM

DISP: Moribund Sacrifice

HISTO: 0701160

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 1 - 14]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
* Testes	Bilateral, Interstit Cell	Leukemia Mononuclear	
[Adenoma TGLs = 2 - 11]		Adenoma	
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 198

TMT: 7
 DOSE: 1600 PPM

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 726
 HISTO: 0701161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
Note: Cystic Degeneration was present in an Eosinophilic Focus. [Eosinophilic Focus TGLs = 2 - 14]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 1 - 11]			
* Thymus		Atrophy	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 199

TMT: 7

SEX: Male

DAY ON TEST: 726

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 2 - 14]		
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Respirat Epith	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1 - 11]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
Tooth		Malformation	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 200

TMT: 7
 DOSE: 1600 PPM

SEX: Male
 DISP: Moribund Sacrifice

DAY ON TEST: 559
 HISTO: 0701163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLs = 1 - 14]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2 - 11]		
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 201

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701164

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Brain	Neuron	Depletion Cellular	Minimal
		Gliosis	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
	[Hepatodiaphragmatic Nodule TGLs = 3 - 15]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 2 - 14]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1 - 13]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 202

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701165

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
	[Basophilic Focus TGLs = 4 - 16]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Carcinoma	
		Fibroadenoma	
	[Carcinoma TGLs = 2 - 14]		
	[Fibroadenoma TGLs = 1 - 13]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3 - 15]		
* Spleen		Pigmentation	Hemosiderin, Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 203

TMT: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 85
HISTO: 0701166

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Lung Atelectasis

PRIMARY CAUSE OF DEATH - Lung Atelectasis

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 204

TMT: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0701167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Mineralization	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule Papilla	Dilatation Necrosis Nephropathy	Moderate Mild Mild
* Liver	Bile Duct	Basophilic Focus Hyperplasia Inflammation	Minimal Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
	Note: Lesion present in routine section of nasal turbinates.		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2 - 14]		
* Spleen		Pigmentation	Hemosiderin, Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 205

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
	[Hyperplasia TGLs = 2 - 14]		
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 206

TMT: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0701169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
	[Fibroadenoma TGLs = 1,2 - 13+14]		
* Ovary		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3 - 15]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 207

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|------------------------------|-----------------|----------------------------|------------------------------|
| * Adrenal Medulla | | Pheochromocytoma Malignant | |
| [Pheochromocytoma Malignant | TGLs = 1 - 13] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Infarct | Mild |
| | | Nephropathy | Minimal |
| [Infarct | TGLs = 2 - 14] | | |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Inflammation | Chronic Active, Minimal |
| * Lung | | Pheochromocytoma Malignant | Metastatic (Adrenal Medulla) |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Spleen | | Pigmentation | Hemosiderin, Minimal |
| * Thymus | | Atrophy | Moderate |
| | | Thymoma Malignant | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 208

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2 - 13+14]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 4 - 16]		
* Ovary		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3 - 15]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 209

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|--------------------------------|-----------------------|-------------------------|
| * Brain | | Infiltration Cellular | Mononuclear CI, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Inflammation | Chronic Active, Minimal |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 1 - 13] | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 2 - 14] | | |
| * Spleen | | Pigmentation | Hemosiderin, Minimal |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 210

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLs = 1 - 13]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLs = 2 - 14]			
* Ovary		Cyst	Mild
[Cyst TGLs = 4 - 16]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
[Hyperplasia TGLs = 3 - 15]			
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 211

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701174

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
	[Basophilic Focus TGLs = 1 - 13]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Hemosiderin, Mild
* Thymus		Atrophy	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 212

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Brain			
Note: There is a floater of glandular and connective tissue embedded in the cerebrum.			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Basophilic Focus TGLs = 2 - 14]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 1 - 13]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLs = 3 - 15]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 213

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2 - 14]		
* Spleen		Hyperplasia	Histiocytic, Moderate
		Pigmentation	Hemosiderin, Minimal
	[Hyperplasia TGLs = 3 - 15]		
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Cervix	Schwannoma Malignant	
	[Schwannoma Malignant TGLs = 1 - 13]		

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 214

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
	[Basophilic Focus TGLs = 2 - 14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLs = 1 - 13]		

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 215

TMT: 2
DOSE: 0 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST: 580
HISTO: 0701178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 216

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
	[Basophilic Focus TGLs = 2,3 - 14+15]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLs = 1 - 13]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 217

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Moribund Sacrifice

DAY ON TEST: 512
 HISTO: 0701180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Liver		Hematopoietic Cell Proliferation	Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLs = 2 - 14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLs = 3-15]			
* Skin	Subcut Tiss	Schwannoma Malignant	
[Schwannoma Malignant TGLs = 1 - 13]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Schwannoma Malignant

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 218

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
Tooth		Malformation	Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 219

TMT: 2
DOSE: 0 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST: 641
HISTO: 0701182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Clitoral Gland |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mesenteric | * Mammary Gland |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|--------------------------|--|----------------------|------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Bone Marrow | | Hyperplasia | Minimal |
| * Brain | | Glioma | Mixed Cell |
| | [Glioma TGLs = 3 - 15] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Intestine Large, Colon | | Parasite Metazoan | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Leukemia Mononuclear | |
| * Nose | | Inflammation | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| | [Hyperplasia TGLs = 4 - 16] | | |
| * Spleen | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 1 - 13] | | |
| * Thymus | | Atrophy | Moderate |
| * Uterus | | Polyp Stromal | |
| | [Polyp Stromal TGLs = 2 - 14] | | |

PRIMARY CAUSE OF DEATH - Brain Glioma
 CONTRIBUTORY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 220

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
	[Fibroadenoma TGLs = 1 - 13]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2 - 14]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tooth		Malformation	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 221

TMT: 2
DOSE: 0 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST: 659
HISTO: 0701184

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
* Brain		Hemorrhage	Minimal
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Necrosis	Moderate
	[Necrosis TGLs = 1 - 6+7]		
* Lung		Leukemia Mononuclear	
* Nose		Inflammation	Mild
		Thrombosis	Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2 - 13]		
* Thymus		Atrophy	Moderate
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLs = 3 - 13]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 221

TMT: 2

SEX: Female

DAY ON TEST: 659

DOSE: 0 PPM

DISP: Natural Death

HISTO: 0701184

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 222

TMT: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0701185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hyperplasia	Minimal
* Brain		Mineralization	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2 - 14]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	Multiple
	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 223

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
	Oviduct	Cyst	Moderate
	[Cyst TGLs = 3 - 15]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Minimal
	[Hyperplasia TGLs = 5 - 17]		
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLs = 2 - 14]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 223

TMT: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0701186

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Polyp Stromal

[Polyp Stromal TGLs = 4 - 16]

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 224

TMT: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0701187

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
	[Adenoma TGLs = 2 - 14]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLs = 3,4 - 15+16]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 225

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1 - 13]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus		Polyp Stromal	

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 226

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
	[Basophilic Focus TGLs = 5 - 17]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2 - 13+14]		
* Nose		Inflammation	Minimal
* Ovary		Cyst	Marked
	[Cyst TGLs = 4 - 16]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLs = 3 - 15]		
* Spleen		Leukemia Mononuclear	
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 227

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* 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	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Eosinophilic Focus TGLs = 5 - 14]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 2 - 14]		
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	[Angiectasis TGLs = 3 - 15]		
* Skin	Sebaceous GI	Adenoma	
	[Adenoma TGLs = 4 - 16]		
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 227

TMT: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0701190

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Leukemia Mononuclear Hyperplasia	Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 228

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2 - 13+14]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 229

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2 - 13+14]		
* Ovary		Cyst	Marked
	[Cyst TGLs = 4 - 15]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3 - 8]		
* Spleen		Pigmentation	Hemosiderin, Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 230

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Natural Death

DAY ON TEST: 566
 HISTO: 0701193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|--------------------------------|------------------|-------------------------|
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Fatty Change | Diffuse, Minimal |
| | | Inflammation | Chronic Active, Minimal |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 1 - 13] | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 2 - 14] | | |
| * Spleen | | Pigmentation | Hemosiderin, Minimal |
| * Thymus | | Atrophy | Moderate |

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 231

TMT: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0701194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
	[Basophilic Focus TGLs = 2 - 6+7]		
	[Hepatodiaphragmatic Nodule TGLs = 1 - 13]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Oral Mucosa		Cyst	Mild
		Inflammation	Mild
Note: Lesions (inclusion cyst and inflammation) noted in routine section taken for nasal turbinates.			
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 232

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Infarct	Mild
	Pelvis	Inflammation	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
		Inflammation	Marked
	[Fibroadenoma TGLs = 2 - 14]		
	[Inflammation TGLs = 1 - 13]		
* Salivary Glands		Atrophy	Mild
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 233

TMT: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0701196

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Adenoma	
	[Adenoma TGLs = 3 - 15]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fibrosis	Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
	[Basophilic Focus TGLs = 5 - 17]		
	[Hepatodiaphragmatic Nodule TGLs = 4 - 16]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2 - 13+14]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
	[Adenoma TGLs = 6 - 18]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 233

TMT: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0701196

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

Pigmentation

Hemosiderin, Minimal

* Thymus

Atrophy

Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 234

TMT: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0701197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Basophilic Focus TGLs = 2 - 14]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 235

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
		Infarct	Moderate
	Pelvis	Inflammation	Mild
		Nephropathy	Mild
[Infarct TGLs = 4 - 5]			
* Liver		Angiectasis	Moderate
		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 2 - 6+7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLs = 1 - 13]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLs = 3 - 14]			
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 235

TMT: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0701198

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tooth		Malformation	Minimal
* Urinary Bladder		Inflammation	Chronic Active, Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 236

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701199

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|-------------------------------------|----------------------------------|-------------------------|
| * Heart | | Cardiomyopathy | Mild |
| * Liver | | Basophilic Focus
Inflammation | Chronic Active, Minimal |
| | [Basophilic Focus TGLs = 4 - 6+7] | | |
| * Mammary Gland | | Fibroadenoma | Multiple |
| | [Fibroadenoma TGLs = 1,2 - 13+14] | | |
| Mesentery | Fat | Necrosis | Minimal |
| | [Necrosis TGLs = 3 - 15] | | |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| * Spleen | | Pigmentation | Hemosiderin, Minimal |
| * Thymus | | Atrophy | Moderate |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 237

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|-------------------------------------|----------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Heart | | Cardiomyopathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Inflammation | Chronic Active, Minimal |
| | | Leukemia Mononuclear | |
| * Mammary Gland | | Fibroadenoma | Multiple |
| | [Fibroadenoma TGLs = 1,2 - 13+14] | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Spleen | | Hyperplasia | Histiocytic, Marked |
| | | Leukemia Mononuclear | |
| | | Pigmentation | Hemosiderin, Minimal |
| | [Hyperplasia TGLs = 3 - 15] | | |
| * Thymus | | Atrophy | Moderate |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 238

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2 - 13+14]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 3 - 15]		
* Pancreas	Acinus	Adenoma	
	Acinus	Atrophy	Mild
	[Adenoma TGLs = 4 - 16]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5 - 17]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 239

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Pigmentation	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
	[Basophilic Focus TGLs = 3 - 15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2 - 13+14]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLs = 4 - 16]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 240

TMT: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0701203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Hyperplasia	Minimal
* Brain		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Moderate
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Fatty Change TGLs = 2 - 6+7]		
	[Leukemia Mononuclear TGLs = 3-14]		
* Lung		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 4 - 15]		
* Pancreas	Acinus	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 240

TMT: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0701203

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular		Erosion	Mild
		Inflammation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth		Malformation	Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 241

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Basophilic Focus TGLs = 1 - 13]		
	[Hepatodiaphragmatic Nodule TGLs = 2 - 14]		
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 3 - 15]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
	[Hyperplasia TGLs = 4 - 16]		
* Spleen		Pigmentation	Hemosiderin, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 241

TMT: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0701204

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 242

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Natural Death

DAY ON TEST: 722
 HISTO: 0701205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2 - 14]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 243

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
	[Basophilic Focus TGLs = 3 - 15]		
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLs = 2 - 14]		
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4 - 16]		
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 243

TMT: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0701206

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 244

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Basophilic Focus TGLs = 4 - 16]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Carcinoma	
		Fibroadenoma	
	[Carcinoma TGLs = 3 - 15]		
	[Fibroadenoma TGLs = 2 - 14]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1 - 13]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 245

TMT: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0701208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2 - 13+14]		
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLs = 3 - 15]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 246

TMT: 2

SEX: Female

DAY ON TEST: 727

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 0701209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 247

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Clitoral GI			
	Note: Clitoral gland abscess present (not diagnosed).		
* Eye	Lens	Cataract	Mild
	Retina	Degeneration	Marked
	[Cataract TGLs = 2 - 10]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
	[Basophilic Focus TGLs = 5 - 16]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 4 - 15]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3 - 14]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 247

TMT: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0701210

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 248

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Moribund Sacrifice

DAY ON TEST: 701
 HISTO: 0701211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Clitoral Gland	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
		Necrosis	Minimal
* Bone		Osteopetrosis	Moderate
* Bone Marrow		Myelofibrosis	Mild
* Brain	White Matter	Vacuolization Cytoplasmic	Minimal
Note: White matter vacuolization in brain possibly represents hepatic encephalopathy.			
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Mild
	Oval Cell	Hyperplasia	Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Necrosis	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Lymph Node	Leukemia Mononuclear	
	[Leukemia Mononuclear		
	TGLs = 3 - 15]		
* Mammary Gland		Fibroadenoma	
		Inflammation	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 248

TMT: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 701
HISTO: 0701211

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLs = 1 - 13]

[Inflammation TGLs = 2 - 14]

* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
	[Hyperplasia TGLs = 5 - 17]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4 - 16]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
		Ulcer	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 249

TMT: 2
 DOSE: 0 PPM

SEX: Female
 DISP: Moribund Sacrifice

DAY ON TEST: 691
 HISTO: 0701212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
		Galactocele	Marked
	[Fibroadenoma TGLs = 1 - 13]		
	[Galactocele TGLs = 2 - 14]		
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3 - 15]		
* Spleen		Pigmentation	Hemosiderin, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Marked
		Ulcer	Moderate
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 250

TMT: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0701213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Basophilic Focus TGLs = 3 - 15]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2 - 13+14]		
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
Tooth		Malformation	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 251

TMT: 4
 DOSE: 400 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
	Duct	Cyst	Marked
	[Adenoma TGLs = 3 - 15]		
	[Cyst TGLs = 2 - 14]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
* Ovary		Cyst	Mild
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4 - 16]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 252

TMT: 4

SEX: Female

DAY ON TEST: 727

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Ovary	[Hepatodiaphragmatic Nodule TGLs = 2 - 14]	Cyst	Marked
	[Cyst TGLs = 1 - 13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLs = 3 - 15]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 253

TMT: 4

SEX: Female

DAY ON TEST: 727

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Thrombosis	Minimal
* Bone Marrow		Myelofibrosis	Marked
* Eye	Lens	Cataract	Marked
	Retina	Degeneration	Marked
	[Cataract TGLs = 1 - 10]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
	[Basophilic Focus TGLs = 5 - 16]		
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLs = 3,4 - 14+15]		
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
	[Hyperplasia TGLs = 2 - 13]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 253

TMT: 4

SEX: Female

DAY ON TEST: 727

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701216

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

* Thyroid Gland

C Cell

Hyperplasia

Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 254

TMT: 4
 DOSE: 400 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Papilla	Necrosis	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLs = 1 - 13]			
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 255

TMT: 4

SEX: Female

DAY ON TEST: 727

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	[Eosinophilic Focus TGLs = 2 - 14]		
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 256

TMT: 4

SEX: Female

DAY ON TEST: 727

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLs = 1 - 13]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Eosinophilic Focus TGLs = 4 - 16]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLs = 3 - 15]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLs = 2 - 14]			
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 256

TMT: 4

SEX: Female

DAY ON TEST: 727

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701219

ORGAN AND ACCOUNTABLE SITE STATUS

C Cell

Hyperplasia

Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 257

TMT: 4

SEX: Female

DAY ON TEST: 727

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Hepatodiaphragmatic Nodule TGLs = 1 - 13]		
* Spleen		Hyperplasia	Lymphoid, Mild
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 258

TMT: 4
 DOSE: 400 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
* Ovary		Cyst	Marked
	[Cyst TGLs = 1 - 13]		
* Pancreas		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
	[Hyperplasia TGLs = 2 - 14]	Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 259

TMT: 4
 DOSE: 400 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
	[Basophilic Focus TGLs = 3 - 15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hemorrhage	Mild
	[Hemorrhage TGLs = 2 - 14]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 260

TMT: 4
 DOSE: 400 PPM

SEX: Female
 DISP: Moribund Sacrifice

DAY ON TEST: 666
 HISTO: 0701223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|--|----------------------------|-------------------------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Hepatodiaphragmatic Nodule | |
| | | Inflammation | Chronic Active, Minimal |
| | [Hepatodiaphragmatic Nodule TGLs = 3 - 15] | | |
| * Mammary Gland | | Fibroadenoma | |
| | | Hyperplasia | Moderate |
| | [Fibroadenoma TGLs = 1 - 13] | | |
| | [Hyperplasia TGLs = 2 - 14] | | |
| * Ovary | | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 4 - 16] | | |
| * Spleen | | Pigmentation | Hemosiderin, Mild |
| * Thymus | | Atrophy | Moderate |
| * Uterus | | Polyp Stromal | |

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 261

TMT: 4

SEX: Female

DAY ON TEST: 645

DOSE: 400 PPM

DISP: Natural Death

HISTO: 0701224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | Peripheral Nerve | * Salivary Glands |
| * Skin | Spinal Cord | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|------------------------|--------------------------------------|---------------------------|----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Bone Marrow | | Hyperplasia | Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Liver | | Basophilic Focus | |
| * Lung | | Lymphoma Malignant | |
| Mesentery | Fat | Necrosis | Minimal |
| | [Necrosis TGLs = 4 - 15] | | |
| * Pituitary Gland | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLs = 3 - 14] | | |
| * Spleen | | Pigmentation | Hemosiderin, Minimal |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Minimal |
| * Thymus | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLs = 2 - 13] | | |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH - Thymus Lymphoma Malignant

Animal Note: Sciatic nerve and spinal cord examined due to clinical signs (hindlimb splay). Absence of lesions in these organs suggest splay was due to weakness from MCL.

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 262

TMT: 4
 DOSE: 400 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|--|----------------------------|-------------------------|
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Infarct | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Hepatodiaphragmatic Nodule | |
| | | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | [Hepatodiaphragmatic Nodule TGLs = 3 - 15] | | |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 2 - 14] | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| | [Hyperplasia TGLs = 1 - 13] | | |
| * Spleen | | Pigmentation | Hemosiderin, Minimal |
| * Thymus | | Atrophy | Moderate |
| * Thyroid Gland | C Cell | Adenoma | |
| | C Cell | Hyperplasia | Moderate |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |
| | | Polyp Stromal | |
| | [Polyp Stromal TGLs = 4 - 16] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 263

TMT: 4
 DOSE: 400 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow	Hyperplasia	Minimal
* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Mild
* Liver	Basophilic Focus	
	Eosinophilic Focus	
	Inflammation	Chronic Active, Minimal
[Eosinophilic Focus TGLs = 2 - 14]		
* Lung	Inflammation	Chronic Active, Minimal
* Mammary Gland	Fibroadenoma	
[Fibroadenoma TGLs = 1 - 13]		
* Spleen	Pigmentation	Hemosiderin, Minimal
* Thymus	Atrophy	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 264

TMT: 4

SEX: Female

DAY ON TEST: 727

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Clitoral Gland		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
* Nose		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus		Inflammation	Marked
		Metaplasia	Squamous, Mild

[Inflammation TGLs = 2 - 14]

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 265

TMT: 4

SEX: Female

DAY ON TEST: 727

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701228

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
[Degeneration TGLs = 5 - 17]			
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLs = 6 - 18]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLs = 1,2,3 - 13+14+15]			
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Polyp Stromal	
[Polyp Stromal TGLs = 4 - 16]			

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 266

TMT: 4

SEX: Female

DAY ON TEST: 509

DOSE: 400 PPM

DISP: Moribund Sacrifice

HISTO: 0701229

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 2 - 14]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1 - 13]		
* Spleen		Pigmentation	Hemosiderin, Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 267

TMT: 4

SEX: Female

DAY ON TEST: 727

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701230

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2,3 - 13+14+15]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Accessory Spleen	
		Pigmentation	Hemosiderin, Minimal
	[Accessory Spleen TGLs = 4 - 16]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 268

TMT: 4

SEX: Female

DAY ON TEST: 727

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Clitoral Gland		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	Multiple
	[Polyp Stromal TGLs = 2,3 - 14+15]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 269

TMT: 4

SEX: Female

DAY ON TEST: 727

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Brain		Granular Cell Tumor	
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 2 - 14]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1- 13]		
* Nose		Inflammation	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 270

TMT: 4

SEX: Female

DAY ON TEST: 727

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 3 - 15]		
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2 - 13+14]		
* Nose		Foreign Body	
		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLs = 4 - 16]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Moderate
Tooth		Malformation	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 271

TMT: 4
 DOSE: 400 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric | * Nose |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|--------------------------|---------------------------------|-----------------------|-------------------------|
| * Adrenal Cortex | | Degeneration | Cystic, Minimal |
| * Heart | | Cardiomyopathy | Marked |
| * Intestine Large, Colon | | Parasite Metazoan | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Inflammation | Chronic Active, Minimal |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 1 - 13] | | |
| * Ovary | | Cyst | Minimal |
| | [Cyst TGLs = 2 - 14] | | |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Spleen | | Pigmentation | Hemosiderin, Minimal |
| * Thymus | | Atrophy | Moderate |
| * Uterus | | Polyp Stromal | |
| | [Polyp Stromal TGLs = 3 - 14] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 272

TMT: 4
 DOSE: 400 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2 - 13+14]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 273

TMT: 4
 DOSE: 400 PPM

SEX: Female
 DISP: Moribund Sacrifice

DAY ON TEST: 676
 HISTO: 0701236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Necrosis	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Mild
		Inflammation	Chronic Active, Minimal
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Leukemia Mononuclear	
[Necrosis TGLs = 2 - 14]		Necrosis	Mild
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 1 - 13]			
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 273

TMT: 4

SEX: Female

DAY ON TEST: 676

DOSE: 400 PPM

DISP: Moribund Sacrifice

HISTO: 0701236

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Ulcer

Moderate

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 274

TMT: 4
 DOSE: 400 PPM

SEX: Female
 DISP: Moribund Sacrifice

DAY ON TEST: 578
 HISTO: 0701237

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
* Brain		Leukemia Mononuclear Necrosis	Mild
	[Necrosis TGLs = 5 - 9]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Infarct	Mild
	[Infarct TGLs = 3 - 5]		
* Liver		Fatty Change Leukemia Mononuclear	Diffuse, Mild
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4 - 15]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLs = 6 - 16]		
* Spleen		Leukemia Mononuclear Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 274

TMT: 4

SEX: Female

DAY ON TEST: 578

DOSE: 400 PPM

DISP: Moribund Sacrifice

HISTO: 0701237

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 1 - 13]

[Necrosis TGLs = 2 - 14]

* Stomach, Forestomach

Epithelium

Hyperplasia

Mild

Inflammation

Moderate

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 275

TMT: 4

SEX: Female

DAY ON TEST: 728

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
		Hyperplasia	Mild
* Bone Marrow		Myelofibrosis	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis	Inflammation	Minimal
	Papilla	Necrosis	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 2 - 14]		
* Ovary		Cyst	Marked
	[Cyst TGLs = 1 - 13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 276

TMT: 4

SEX: Female

DAY ON TEST: 728

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Eosinophilic Focus TGLs = 6 - 18]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2 - 13+14]		
* Nose		Inflammation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Histiocytic, Marked
		Pigmentation	Hemosiderin, Minimal
	[Hyperplasia TGLs = 3,4,5 - 15+16+17]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 276

TMT: 4

SEX: Female

DAY ON TEST: 728

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701239

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

* Uterus

Inflammation

Marked

Metaplasia

Squamous, Moderate

[Inflammation TGLs = 7 - 19]

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 277

TMT: 4
 DOSE: 400 PPM

SEX: Female
 DISP: Moribund Sacrifice

DAY ON TEST: 617
 HISTO: 0701240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|------------------------------------|-----------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Moderate |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| | [Mixed Cell Focus TGLs = 2 - 14] | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 1 - 13] | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Spleen | | Pigmentation | Hemosiderin, Minimal |
| * Thymus | | Atrophy | Moderate |

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 278

TMT: 4

SEX: Female

DAY ON TEST: 728

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3 - 15]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
Tooth		Malformation	Minimal
* Uterus		Polyp Stromal	Multiple
	[Polyp Stromal TGLs = 2 - 14]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 279

TMT: 4
 DOSE: 400 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
	[Basophilic Focus TGLs = 2 - 14]		
	[Eosinophilic Focus TGLs = 1,3 - 13+15]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 280

TMT: 4
 DOSE: 400 PPM

SEX: Female
 DISP: Natural Death

DAY ON TEST: 652
 HISTO: 0701243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Hemorrhage	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2 - 13+14]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3 - 15]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Stomach, Glandular		Ulcer	Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 281

TMT: 4

SEX: Female

DAY ON TEST: 728

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 3 - 15]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 2 - 14]		
* Pancreas		Metaplasia	Hepatocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLs = 1 - 13]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tooth		Malformation	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 282

TMT: 4

SEX: Female

DAY ON TEST: 718

DOSE: 400 PPM

DISP: Moribund Sacrifice

HISTO: 0701245

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
		Vacuolization Cytoplasmic	Mild
* Brain	Cranial Nerve	Carcinoma	Metastatic (Zymbal'S Gland)
	Note: Trigeminal nerve was affected in the pituitary section.		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Moderate
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
	[Hepatodiaphragmatic Nodule TGLs = 3 - 15]		
* Lung		Carcinoma	Metastatic (Zymbal'S Gland)
		Foreign Body	
		Inflammation	Chronic Active, Mild
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 2 - 14]		
* Nose		Inflammation	Mild
* Pituitary Gland		Cyst	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 282

TMT: 4

SEX: Female

DAY ON TEST: 718

DOSE: 400 PPM

DISP: Moribund Sacrifice

HISTO: 0701245

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Carcinoma	Metastatic (Zymbal'S Gland)
[Carcinoma TGLs = 4 - 16]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
Zymbal's Gland		Carcinoma	

Note: There is an abundant spindle cell component to this carcinoma, and that is the population that metastasized to thymus.

[Carcinoma TGLs = 1 - 13]

PRIMARY CAUSE OF DEATH - Zymbal's Gland Carcinoma

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 283

TMT: 4
DOSE: 400 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0701246

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Minimal
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Eosinophilic Focus TGLs = 3 - 15]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2 - 13+14]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth		Malformation	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 284

TMT: 4
 DOSE: 400 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701247

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Eye	Retina	Gliosis	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLs = 1,2 - 13+14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 3 - 15]			
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 285

TMT: 4

SEX: Female

DAY ON TEST: 728

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Moderate
[Hyperplasia TGLs = 2 - 14]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Eosinophilic Focus TGLs = 3,4 - 15+16]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLs = 1 - 13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 5 - 17]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth		Malformation	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 286

TMT: 4
 DOSE: 400 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701249

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1 - 13]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus		Inflammation	Mild
	[Inflammation TGLs = 2 - 14]	Metaplasia	Squamous, Mild

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 287

TMT: 4
 DOSE: 400 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2 - 13+14]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLs = 3 - 15]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Hyperplasia	Lymphoid, Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 288

TMT: 4

SEX: Female

DAY ON TEST: 673

DOSE: 400 PPM

DISP: Moribund Sacrifice

HISTO: 0701251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Mammary Gland |
| * Nose | * Ovary | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|--------------------------|--|----------------------------------|----------------------|
| * Bone Marrow | | Histiocytic Sarcoma | |
| | | Hyperplasia | Minimal |
| * Heart | | Histiocytic Sarcoma | |
| * Intestine Large, Colon | | Parasite Metazoan | |
| * Kidney | | Accumulation, Hyaline Droplet | Moderate |
| * Liver | | Histiocytic Sarcoma | |
| | Bile Duct | Hyperplasia | Minimal |
| | [Histiocytic Sarcoma TGLs = 7 - 19] | | |
| * Lung | | Histiocytic Sarcoma | |
| | Note: Tumor is present in parenchyma and on serosa so a site was not used; TGL-1 involved serosa (pleura). | | |
| | [Histiocytic Sarcoma TGLs = 1 - 13] | | |
| * Lymph Node, Mandibular | | Histiocytic Sarcoma | |
| | [Histiocytic Sarcoma TGLs = 2 - 14] | | |
| * Lymph Node, Mesenteric | | Histiocytic Sarcoma | |
| | [Histiocytic Sarcoma TGLs = 5 - 17] | | |
| Mesentery | | Histiocytic Sarcoma | |
| | [Histiocytic Sarcoma TGLs = 6 - 18] | | |
| * Pancreas | | Histiocytic Sarcoma | |
| * Pituitary Gland | | Cyst | Minimal |
| | [Cyst TGLs = 3 - 15] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Pigmentation | Hemosiderin, Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 288

TMT: 4

SEX: Female

DAY ON TEST: 673

DOSE: 400 PPM

DISP: Moribund Sacrifice

HISTO: 0701251

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular	Serosa	Histiocytic Sarcoma
[Histiocytic Sarcoma	TGLs = 4 - 16]	
* Thymus		Histiocytic Sarcoma
* Thyroid Gland		Histiocytic Sarcoma

PRIMARY CAUSE OF DEATH - Lung Histiocytic Sarcoma

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 289

TMT: 4

SEX: Female

DAY ON TEST: 727

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Basophilic Focus TGLs = 3 - 15]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2 - 13+14]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 290

TMT: 4

SEX: Female

DAY ON TEST: 727

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3 - 15]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Venule	Hyperplasia	Mild

Note: Vascular (and perivascular) proliferation likely represents a congenital anomaly.

[Hyperplasia TGLs = 2 - 14]

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 291

TMT: 4
 DOSE: 400 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701254

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Basophilic Focus TGLs = 2 - 14]		
* Ovary		Cyst	Marked
	[Cyst TGLs = 1 - 13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thymus		Atrophy	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 292

TMT: 4

SEX: Female

DAY ON TEST: 728

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Brain		Necrosis	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 3 - 15]		
* Nose		Inflammation	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2 - 14]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus		Inflammation	Marked
		Metaplasia	Squamous, Moderate
	[Inflammation TGLs = 1 - 13]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 293

TMT: 4

SEX: Female

DAY ON TEST: 728

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701256

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	[Eosinophilic Focus TGLs = 2,3,4 - 14+15+16]	Inflammation	Chronic Active, Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
	[Hyperplasia TGLs = 1 - 13]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 294

TMT: 4
 DOSE: 400 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mesenteric | * Nose | * Ovary | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|------------------|--------------------------------------|--------------------|-------------------------|
| * Adrenal Cortex | | Degeneration | Cystic, Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Inflammation | Chronic Active, Minimal |
| | [Eosinophilic Focus TGLs = 3 - 15] | | |
| * Lung | Alveolar Epith | Hyperplasia | Mild |
| * Mammary Gland | | Fibroadenoma | Multiple |
| | [Fibroadenoma TGLs = 1,2 - 13+14] | | |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Spleen | | Pigmentation | Hemosiderin, Minimal |
| * Thymus | | Atrophy | Moderate |
| * Thyroid Gland | C Cell | Hyperplasia | Mild |
| * Uterus | | Polyp Stromal | |
| | [Polyp Stromal TGLs = 4 - 16] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 295

TMT: 4

SEX: Female

DAY ON TEST: 728

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701258

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Glioma	Mixed Cell
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
* Nose		Foreign Body	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLs = 1 - 13]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 296

TMT: 4
 DOSE: 400 PPM

SEX: Female
 DISP: Moribund Sacrifice

DAY ON TEST: 701
 HISTO: 0701259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 3 - 15]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2 - 13+14]		
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLs = 4 - 16]		

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

CONTRIBUTORY CAUSE OF DEATH - Uterus Polyp Stromal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 297

TMT: 4

SEX: Female

DAY ON TEST: 691

DOSE: 400 PPM

DISP: Moribund Sacrifice

HISTO: 0701260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2 - 13+14]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 4 - 16]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
	[Polyp Stromal TGLs = 3 - 15]	Polyp Stromal	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 298

TMT: 4
 DOSE: 400 PPM

SEX: Female
 DISP: Moribund Sacrifice

DAY ON TEST: 679
 HISTO: 0701261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Eosinophilic Focus TGLs = 3 - 15]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mesenteric		Atrophy	Mild
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2 - 13+14]		
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4 - 16]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 298

TMT: 4

SEX: Female

DAY ON TEST: 679

DOSE: 400 PPM

DISP: Moribund Sacrifice

HISTO: 0701261

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 299

TMT: 4
DOSE: 400 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0701262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|--|-----------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Moderate |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Inflammation | Chronic Active, Minimal |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| * Mammary Gland | | Fibroadenoma | Multiple |
| | [Fibroadenoma TGLs = 1,2,3 - 13+14+15] | | |
| * Pituitary Gland | Pars Distalis | Angiectasis | Marked |
| | [Angiectasis TGLs = 4 - 16] | | |
| * Spleen | | Pigmentation | Hemosiderin, Minimal |
| * Thymus | | Atrophy | Moderate |
| * Thyroid Gland | C Cell | Hyperplasia | Moderate |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

Note: TGL-5-17 = prolapse of uterine body into the cervix. There is no TDMSE term applicable for this diagnosis on this study.

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 300

TMT: 4

SEX: Female

DAY ON TEST: 728

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO: 0701263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Eye	Lens	Cataract	Mild
	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Tension Lipidosis	Minimal
	[Angiectasis TGLs = 1 - 13]		
	[Eosinophilic Focus TGLs = 2 - 14]		
	[Tension Lipidosis TGLs = 3 - 15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLs = 4 - 16]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 301

TMT: 6

SEX: Female

DAY ON TEST: 617

DOSE: 800 PPM

DISP: Moribund Sacrifice

HISTO: 0701264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2 - 14]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 302

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Moribund Sacrifice

DAY ON TEST: 490
 HISTO: 0701265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Liver		Hematopoietic Cell Proliferation Inflammation Adenoma	Minimal Chronic Active, Minimal
* Mammary Gland [Adenoma TGLs = 1 - 13]			
* Pituitary Gland [Adenoma TGLs = 2 - 14]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Hemosiderin, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation Ulcer	Mild Moderate Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 303

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701266

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2 - 13+14]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3 - 15]		
* Spleen		Pigmentation	Hemosiderin, Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 304

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Moribund Sacrifice

DAY ON TEST: 701
 HISTO: 0701267

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
* Brain		Hemorrhage	Mild
		Necrosis	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2,3 - 13+14+15]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4 - 16]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Brain Necrosis

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 305

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|---|------------------------------|-------------------------|
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Inflammation | Chronic Active, Minimal |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 1 - 13] | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Hyperplasia | Marked |
| | [Adenoma TGLs = 2-14] | | |
| * Spleen | | Pigmentation | Hemosiderin, Minimal |
| * Thymus | | Atrophy | Moderate |
| * Uterus | | Polyp Stromal | |
| | Note: Part of the stromal polyp is also in the routine section (B11). | | |
| | [Polyp Stromal TGLs = 3 - 15] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 306

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701269

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 1 - 13]		
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
		Thymoma Benign	
* Thyroid Gland	C Cell	Hyperplasia	Mild

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 307

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701270

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 1,2 - 13+14]		
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLs = 3 - 15]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 308

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 2 - 14]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 1 - 13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 309

TMT: 6

SEX: Female

DAY ON TEST: 727

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
		Inflammation	Granulomatous, Minimal
* Clitoral Gland		Adenoma	
		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2,3 - 13+14+15]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 5 - 17]		
* Ovary		Atrophy	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
	[Hyperplasia TGLs = 7 - 18]		
* Spleen		Hyperplasia	Histiocytic, Moderate
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
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First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 309

TMT: 6

SEX: Female

DAY ON TEST: 727

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701272

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 6,8 - 5+19]

* Thymus

Atrophy

Moderate

* Thyroid Gland

C Cell

Hyperplasia

Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 310

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 311

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Eosinophilic Focus TGLs = 3 - 15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2 - 14]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 312

TMT: 6
DOSE: 800 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST: 661
HISTO: 0701275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fatty Change	Diffuse, Mild
		Leukemia Mononuclear	
	[Eosinophilic Focus TGLs = 4,5 - 14+15]		
	[Leukemia Mononuclear TGLs = 3 - 6+7]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Ovary		Cyst	Marked
	[Cyst TGLs = 1 - 13]		
* Pancreas		Metaplasia	Hepatocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
	[Hyperplasia TGLs = 6 - 16]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2 - 5]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 312

TMT: 6

SEX: Female

DAY ON TEST: 661

DOSE: 800 PPM

DISP: Natural Death

HISTO: 0701275

ORGAN AND ACCOUNTABLE SITE STATUS

Inflammation

Marked

Ulcer

Marked

Atrophy

Moderate

* Thymus

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 313

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2 - 13+14]		
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3 - 15]		
* Spleen		Pigmentation	Hemosiderin, Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 314

TMT: 6
DOSE: 800 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 662
HISTO: 0701277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Basophilic Focus TGLs = 4 - 20]		
	[Eosinophilic Focus TGLs = 1 - 17]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Fibroadenoma	
* Mammary Gland			
	[Fibroadenoma TGLs = 3 - 19]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLs = 2 - 18]		
* Spleen		Pigmentation	Hemosiderin, Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: No cause was found for the clinical observation of paralysis, despite examination of spinal cord, sciatic nerve, and muscle.

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 315

TMT: 6

SEX: Female

DAY ON TEST: 727

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701278

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
	[Basophilic Focus TGLs = 1 - 13]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 2 - 14]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3 - 15]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLs = 4 - 16]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 316

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Natural Death

DAY ON TEST: 568
 HISTO: 0701279

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Clitoral Gland |
| * Esophagus | * Eye | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | * Uterus |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|--------------------------|---|----------------------|----------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Bone Marrow | | Hyperplasia | Marked |
| * Brain | | Hemorrhage | Mild |
| | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| * Liver | | Eosinophilic Focus | |
| | | Leukemia Mononuclear | |
| | | Necrosis | Mild |
| | [Leukemia Mononuclear TGLs = 2 - 6+7] | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Spleen | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 1 - 13] | | |
| * Thymus | | Atrophy | Moderate |
| * Thyroid Gland | C Cell | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 317

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701280

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis	Inflammation	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLs = 2 - 14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Decidual Reaction	Mild
[Decidual Reaction TGLs = 1 - 13]			

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 318

TMT: 6
DOSE: 800 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST: 547
HISTO: 0701281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Moderate
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
		Necrosis	Minimal
* Lung		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLs = 2 - 13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 4 - 15]			
* Spleen		Leukemia Mononuclear	
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 319

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 320

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Moribund Sacrifice

DAY ON TEST: 558
 HISTO: 0701283

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Hemorrhage	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2 - 14]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 321

TMT: 6

SEX: Female

DAY ON TEST: 728

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701284

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Eosinophilic Focus TGLs = 2 - 14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLs = 1 - 13]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 322

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701285

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Basophilic Focus TGLs = 3 - 15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2 - 13+14]		
* Pituitary Gland	Pars Distalis	Carcinoma	
	Note: Pituitary carcinoma is in brain section, compressing the ventral brain surface unilaterally.		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 323

TMT: 6

SEX: Female

DAY ON TEST: 653

DOSE: 800 PPM

DISP: Natural Death

HISTO: 0701286

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Lymph Node, Mesenteric		Atrophy	Marked
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
* Nose		Inflammation	Minimal
* Spleen	Lymph Follic	Atrophy	Marked
		Pigmentation	Hemosiderin, Mild
* Thymus		Atrophy	Moderate
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 324

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701287

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 1 - 13]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 325

TMT: 6

SEX: Female

DAY ON TEST: 698

DOSE: 800 PPM

DISP: Natural Death

HISTO: 0701288

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mesenteric		Atrophy	Moderate
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLs = 2 - 14]		
* Spleen	Lymph Follic	Atrophy	Marked
		Pigmentation	Hemosiderin, Moderate
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma
 CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 326

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701289

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|------------------------------------|--------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Angiectasis | Minimal |
| | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| | [Mixed Cell Focus TGLs = 3 - 16] | | |
| * Ovary | | Cyst | Marked |
| | [Cyst TGLs = 1 - 14] | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Hyperplasia | Mild |
| | [Adenoma TGLs = 4 - 17] | | |
| Skeletal Muscle | | Rhabdomyosarcoma | |
| | [Rhabdomyosarcoma TGLs = 5 - 13] | | |
| * Thymus | | Atrophy | Moderate |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| | [Hyperplasia TGLs = 2 - 15] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 327

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701290

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 2,3 - 14+15]		
	[Hepatodiaphragmatic Nodule TGLs = 1 - 13]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland		Cyst	Minimal
	[Cyst TGLs = 4 - 16]		
* Spleen		Pigmentation	Hemosiderin, Mild
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 327

TMT: 6

SEX: Female

DAY ON TEST: 728

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701290

ORGAN AND ACCOUNTABLE SITE STATUS

* Urinary Bladder

Inflammation

Chronic Active, Minimal

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 328

TMT: 6

SEX: Female

DAY ON TEST: 728

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 329

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|-------------------------------------|-----------------------|-------------------------|
| * Heart | | Cardiomyopathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Inflammation | Chronic Active, Minimal |
| | | Tension Lipidosis | Mild |
| | [Tension Lipidosis TGLs = 1 - 13] | | |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | Lymph Node | Ectasia | Moderate |
| | [Ectasia TGLs = 2 - 14] | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 3 - 15] | | |
| * Spleen | | Pigmentation | Hemosiderin, Minimal |
| * Thymus | | Atrophy | Moderate |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 330

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701293

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
[Atrophy TGLs = 3 - 14]			
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Pelvis	Infarct	Moderate
		Inflammation	Mild
[Infarct TGLs = 2 - 5]		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLs = 6 - 17]			
[Hepatodiaphragmatic Nodule TGLs = 1 - 13]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Mild
* Pituitary Gland		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 330

TMT: 6

SEX: Female

DAY ON TEST: 728

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701293

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLs = 4 - 15]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLs = 5 - 16]			

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 331

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701294

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|------------------------------------|----------------------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Clitoral Gland | | Adenoma | |
| | [Adenoma TGLs = 5 - 17] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Angiectasis | Minimal |
| | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Hematopoietic Cell Proliferation | Minimal |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| | [Basophilic Focus TGLs = 3 - 15] | | |
| Mesentery | Fat | Necrosis | Minimal |
| | [Necrosis TGLs = 2 - 14] | | |
| * Nose | | Inflammation | Minimal |
| * Ovary | | Cyst | Moderate |
| | [Cyst TGLs = 1 - 13] | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 4 - 16] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 331

TMT: 6

SEX: Female

DAY ON TEST: 728

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701294

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 332

TMT: 6

SEX: Female

DAY ON TEST: 728

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
	[Basophilic Focus TGLs = 5 - 17]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2,3 - 13+14+15]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 4 - 16]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
Tooth		Malformation	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 333

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701296

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 5 - 17]		
	[Hepatodiaphragmatic Nodule TGLs = 4 - 16]		
* Lung	Alveolar Epith	Hyperplasia	Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Hyperplasia TGLs = 6 - 18]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 2 - 14]		
* Ovary		Cyst	Mild
	[Cyst TGLs = 3 - 15]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1 - 13]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 334

TMT: 6

SEX: Female

DAY ON TEST: 728

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701297

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLs = 2 - 14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLs = 1 - 13]			

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 335

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701298

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
* Eye	Lens	Cataract	Moderate
	Retina	Degeneration	Marked
	[Cataract TGLs = 1 - 10]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 6 - 17]		
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 2,3 - 13+14]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5 - 16]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
Tooth		Malformation	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 336

TMT: 6

SEX: Female

DAY ON TEST: 728

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701299

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum		Adenoma	
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 3 - 15]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 2 - 14]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1- 13]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 337

TMT: 6

SEX: Female

DAY ON TEST: 728

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Adenoma	
[Adenoma TGLs = 5 - 17]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLs = 6 - 18]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLs = 2- 14]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLs = 3 - 15]			
* Pancreas	Acinus	Atrophy	Minimal
	Duct	Cyst	Moderate
[Cyst TGLs = 1 - 13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 4 - 16]			
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 338

TMT: 6

SEX: Female

DAY ON TEST: 728

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2,3 - 13+14+15]		
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
	[Hyperplasia TGLs = 4 - 16]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 339

TMT: 6
DOSE: 800 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0701302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 6 - 18]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 2,3 - 14+15]		
* Nose		Inflammation	Minimal
* Ovary		Cyst	Moderate
	[Cyst TGLs = 4 - 16]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Cyst	Mild
	[Cyst TGLs = 5 - 17]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 339

TMT: 6

SEX: Female

DAY ON TEST: 728

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701302

ORGAN AND ACCOUNTABLE SITE STATUS

	C Cell	Carcinoma	
[Carcinoma TGLs = 1 - 13]			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 340

TMT: 6
DOSE: 800 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST: 571
HISTO: 0701303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Atrophy	Mild
* Liver		Basophilic Focus	
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Spleen	Lymph Follic	Atrophy	Marked
		Pigmentation	Hemosiderin, Mild
* Thymus		Atrophy	Moderate
Tongue		Inflammation	Mild
		Squamous Cell Papilloma	

[Inflammation TGLs = 2 - 14]

[Squamous Cell Papilloma TGLs = 1 - 13]

PRIMARY CAUSE OF DEATH - Tongue Squamous Cell Papilloma

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 341

TMT: 6

SEX: Female

DAY ON TEST: 728

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye	Retina	Gliosis	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Polyp Stromal	

[Polyp Stromal TGLs = 1 - 13]

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 342

TMT: 6

SEX: Female

DAY ON TEST: 422

DOSE: 800 PPM

DISP: Natural Death

HISTO: 0701305

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Glioma	Mixed Cell
[Glioma TGLs = 4 - 14]			
* Eye	Lens	Cataract	Mild
Note: Cataracts may be artifacts of autolysis in this rat.			
[Cataract TGLs = 1 - 10]			
* Heart		Cardiomyopathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLs = 2 - 13]			
* Lung		Congestion	Marked
[Congestion TGLs = 3 - 3+4]			
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Brain Glioma

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 343

TMT: 6

SEX: Female

DAY ON TEST: 572

DOSE: 800 PPM

DISP: Moribund Sacrifice

HISTO: 0701306

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Hyperplasia	Marked
* Kidney	Renal Tubule	Dilatation	Mild
		Nephropathy	Minimal
	[Dilatation TGLs = 1 - 5]		
* Liver		Fatty Change	Diffuse, Moderate
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Marked
		Ulcer	Marked
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Stomach, Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 344

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701307

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2,3 - 13+14+15]		
* Ovary		Cyst	Marked
	[Cyst TGLs = 4 - 16]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 345

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701308

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 1,2 - 13+14]		
* Lung	Alveolar Epith	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLs = 3 - 15]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
Tooth		Malformation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 346

TMT: 6

SEX: Female

DAY ON TEST: 727

DOSE: 800 PPM

DISP: Terminal Sacrifice

HISTO: 0701309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus Inflammation	Chronic Active, Minimal
	[Basophilic Focus TGLs = 1 - 13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
	[Hyperplasia TGLs = 2 - 14]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 347

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701310

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Bone Marrow		Inflammation	Granulomatous, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLs = 1 - 13]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 2 - 14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 3 - 15]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Bilateral, C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 348

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		[Eosinophilic Focus TGLs = 2 - 14]	
		[Hepatodiaphragmatic Nodule TGLs = 3 - 15]	
* Mammary Gland		Fibroadenoma	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		[Hyperplasia TGLs = 4 - 16]	
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Inflammation	Moderate
		[Inflammation TGLs = 1 - 13]	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 349

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 3 - 15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2 - 13+14]		
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 350

TMT: 6
 DOSE: 800 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701313

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 3 - 15]		
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus	Cervix	Cyst	Moderate
	[Cyst TGLs = 2 - 14]		

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 351

TMT: 8

SEX: Female

DAY ON TEST: 728

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701314

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
	[Hepatodiaphragmatic Nodule TGLs = 2 - 14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Carcinoma	
	[Carcinoma TGLs = 1 - 13]		
* Ovary		Atrophy	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3 - 15]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 352

TMT: 8
 DOSE: 1600 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701315

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Uterus	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
	[Hepatodiaphragmatic Nodule TGLs = 2 - 14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3 - 15]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 353

TMT: 8

SEX: Female

DAY ON TEST: 728

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701316

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 354

TMT: 8

SEX: Female

DAY ON TEST: 728

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701317

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Eye	Retina	Gliosis	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Eosinophilic Focus TGLs = 2 - 14]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 355

TMT: 8

SEX: Female

DAY ON TEST: 610

DOSE: 1600 PPM

DISP: Natural Death

HISTO: 0701318

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Necrosis	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Moderate
* Brain		Hemorrhage	Mild
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Necrosis	Mild
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5 - 17]		
* Nose		Inflammation	Minimal
* Ovary		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1 - 13]		
* Spleen		Infarct	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 355

TMT: 8

SEX: Female

DAY ON TEST: 610

DOSE: 1600 PPM

DISP: Natural Death

HISTO: 0701318

ORGAN AND ACCOUNTABLE SITE STATUS

[Infarct TGLs = 4 - 16]

[Leukemia Mononuclear TGLs = 3 - 15]

* Thymus

Atrophy

Moderate

* Uterus

Polyp Stromal

[Polyp Stromal TGLs = 2 - 14]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 356

TMT: 8
 DOSE: 1600 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701319

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|--------------------------------|-----------------------|-------------------------|
| * Adrenal Cortex | | Carcinoma | |
| | [Carcinoma TGLs = 3 - 15] | | |
| * Bone Marrow | | Hyperplasia | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Inflammation | Chronic Active, Minimal |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 2 - 14] | | |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| | [Hyperplasia TGLs = 4 - 16] | | |
| * Skin | Subcut Tiss | Lipoma | |
| | [Lipoma TGLs = 1 - 13] | | |
| * Spleen | | Pigmentation | Hemosiderin, Minimal |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 357

TMT: 8
 DOSE: 1600 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701320

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|--------------------------|------------------------------------|--------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Intestine Large, Colon | | Parasite Metazoan | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | [Basophilic Focus TGLs = 1 - 13] | | |
| * Pancreas | Acinus | Atrophy | Mild |
| * Pituitary Gland | | Cyst | Mild |
| | [Cyst TGLs = 2 - 14] | | |
| * Spleen | | Pigmentation | Hemosiderin, Minimal |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 358

TMT: 8
 DOSE: 1600 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
[Hepatodiaphragmatic Nodule	TGLs = 1 - 13]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 359

TMT: 8

SEX: Female

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701322

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Necrosis	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Thymus		Atrophy	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 360

TMT: 8
 DOSE: 1600 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701323

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Eye	Lens	Cataract	Moderate
	Retina	Degeneration	Marked
	[Cataract TGLs = 1- 10]		
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
	[Hepatodiaphragmatic Nodule TGLs = 4 - 15]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 2 - 13]		
* Nose		Inflammation	Minimal
* Pituitary Gland		Cyst	Mild
	[Cyst TGLs = 5 - 16]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLs = 3 - 14]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 361

TMT: 8

SEX: Female

DAY ON TEST: 728

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701324

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 4 - 16]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2 - 13+14]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
	[Hyperplasia TGLs = 3 - 15]		
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 362

TMT: 8

SEX: Female

DAY ON TEST: 728

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701325

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2 - 14]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth		Malformation	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Marked
* Uterus	Cervix	Cyst	Mild
	[Cyst TGLs = 3 - 15]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 363

TMT: 8
 DOSE: 1600 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701326

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Minimal
* Eye	Retina	Gliosis	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 2 - 14]		
* Mammary Gland		Fibroadenoma	
Oral Mucosa		Hyperplasia	Marked
	Pharyngeal	Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLs = 1 - 13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 364

TMT: 8
 DOSE: 1600 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701327

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Eye	Retina	Gliosis	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
	[Eosinophilic Focus TGLs = 4 - 16]		
	[Mixed Cell Focus TGLs = 3 - 15]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
* Uterus		Schwannoma Malignant	
	[Schwannoma Malignant TGLs = 1 - 13, 2 - 14]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 365

TMT: 8
 DOSE: 1600 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701328

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|---------------------------------|--------------------|-------------------------|
| * Eye | Lens | Cataract | Mild |
| | Cornea | Inflammation | Mild |
| | [Cataract TGLs = 1 - 10] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Inflammation | Chronic Active, Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 2 - 13] | | |
| * Spleen | | Pigmentation | Hemosiderin, Minimal |
| * Thymus | | Atrophy | Moderate |
| * Uterus | | Polyp Stromal | |
| | [Polyp Stromal TGLs = 3 - 14] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 366

TMT: 8

SEX: Female

DAY ON TEST: 728

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701329

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Nose	Respirat Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1 - 13]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 367

TMT: 8

SEX: Female

DAY ON TEST: 728

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701330

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Hepatodiaphragmatic Nodule		
* Lung	TGLs = 2 - 14]		
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma		
	TGLs = 1 - 13]		
* Ovary		Atrophy	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder	Transit Epithe	Papilloma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 368

TMT: 8
 DOSE: 1600 PPM

SEX: Female
 DISP: Moribund Sacrifice

DAY ON TEST: 498
 HISTO: 0701331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
* Eye		Leukemia Mononuclear	
* Liver		Fatty Change	Diffuse, Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1 - 6+7]		
* Lung		Leukemia Mononuclear	
		Necrosis	Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4 - 15]		
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Mild
	[Necrosis TGLs = 5 - 16]		
* Nose		Inflammation	Minimal
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3 - 14]		
* Stomach, Forestomach		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 368

TMT: 8

SEX: Female

DAY ON TEST: 498

DOSE: 1600 PPM

DISP: Moribund Sacrifice

HISTO: 0701331

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

Leukemia Mononuclear

* Thymus

Leukemia Mononuclear

* Uterus

Polyp Stromal

[Polyp Stromal TGLs = 2 - 13]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 369

TMT: 8

SEX: Female

DAY ON TEST: 728

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 3 - 15]		
* Lung	Alveolar Epith	Metaplasia	Squamous, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLs = 2 - 14]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 370

TMT: 8
 DOSE: 1600 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701333

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 1 - 13]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 371

TMT: 8

SEX: Female

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701334

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Carcinoma	
	[Carcinoma TGLs = 2 - 14]		

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 372

TMT: 8

SEX: Female

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701335

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 373

TMT: 8

SEX: Female

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701336

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Clitoral Gland		Hyperplasia	Moderate
* Eye	Lens	Cataract	Mild
	Retina	Degeneration	Marked
	[Cataract TGLs = 1 - 10]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 2 - 13]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 3 - 14]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Urinary Bladder	Transit Epithe	Hyperplasia	Marked

Note: Hyperplasia of transitional epithelium graded marked due to presence of atypia.

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 374

TMT: 8
 DOSE: 1600 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701337

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* 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	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Carcinoma	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Basophilic Focus	
		Cyst	Mild
	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
	[Cyst TGLs = 2 - 14]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Inflammation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 375

TMT: 8
 DOSE: 1600 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701338

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Basophilic Focus TGLs = 2 - 14]		
	[Hepatodiaphragmatic Nodule TGLs = 1 - 13]		
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Thymus		Atrophy	Moderate
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 376

TMT: 8
 DOSE: 1600 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701339

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|--------------------------------|----------------------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Angiectasis | Minimal |
| | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 1 - 13] | | |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Spleen | | Hematopoietic Cell Proliferation | Minimal |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 377

TMT: 8

SEX: Female

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701340

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
	[Hepatodiaphragmatic Nodule TGLs = 2 - 14]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLs = 1 - 13]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 378

TMT: 8
 DOSE: 1600 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Basophilic Focus TGLs = 1 - 13]		
	[Hepatodiaphragmatic Nodule TGLs = 2 - 14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Minimal
	[Adenoma TGLs = 3 - 15]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 379

TMT: 8
 DOSE: 1600 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis	Dilatation	Mild
		Infarct	Minimal
		Infiltration Cellular	Lymphoid, Moderate
		Nephropathy	Mild
	[Dilatation TGLs = 5 - 5]		
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 3,4 - 15+16]		
* Ovary		Cyst	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 379

TMT: 8

SEX: Female

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701342

ORGAN AND ACCOUNTABLE SITE STATUS

Sarcoma Stromal

Note: Decidual alteration is present within one polyp (TGL-1).

Note: The Sarcoma, Stromal contains an area of Decidual Cells.

[Polyp Stromal TGLs = 2 - 14]

[Sarcoma Stromal TGLs = 1-13]

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 380

TMT: 8

SEX: Female

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701343

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 2 - 14]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 381

TMT: 8

SEX: Female

DAY ON TEST: 728

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701344

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Eye	Retina	Gliosis	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Inflammation	Chronic Active, Moderate
		Nephropathy	Minimal
Note: Eosinophilic material between tubules within the "mass" (TGL-2) polarizes hence considered collagen. [Inflammation TGLs = 2 - 14]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLs = 1 - 13]			
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 382

TMT: 8
 DOSE: 1600 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701345

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
	[Clear Cell Focus TGLs = 2 - 14]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland		Cyst	Mild
	[Cyst TGLs = 3 - 15]		
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLs = 1 - 13]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 383

TMT: 8

SEX: Female

DAY ON TEST: 611

DOSE: 1600 PPM

DISP: Moribund Sacrifice

HISTO: 0701346

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Malignant	Minimal
	[Pheochromocytoma Malignant TGLs = 2 - 13]		
* Bone Marrow		Hyperplasia	Minimal
* Eye	Lens	Cataract	Marked
	Retina	Degeneration	Marked
	[Cataract TGLs = 1 - 10]		
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Hemorrhage	Moderate
	[Hemorrhage TGLs = 3 - 14]		
* Kidney	Pelvis, Transit Epithe	Hyperplasia Infarct	Minimal Mild
	[Infarct TGLs = 4 - 15]		
* Liver		Basophilic Focus Inflammation	Chronic Active, Minimal
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen	Lymph Follic	Atrophy	Marked
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Adrenal Medulla Pheochromocytoma Malignant

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 384

TMT: 8

SEX: Female

DAY ON TEST: 728

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701347

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
	[Hepatodiaphragmatic Nodule TGLs = 3 - 15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 2 - 14]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	Subcut Tiss	Fibrous Histiocytoma	
	[Fibrous Histiocytoma TGLs = 1 - 13]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	[Adenoma TGLs = 4 - 16]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 385

TMT: 8
 DOSE: 1600 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701348

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-----------------|--------------------------------------|--------------------|-------------------------|
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | [Eosinophilic Focus TGLs = 2 - 14] | | |
| * Ovary | | Cyst | Marked |
| | [Cyst TGLs = 1 - 13] | | |
| * Spleen | | Pigmentation | Hemosiderin, Mild |
| * Thymus | | Atrophy | Moderate |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Adenomatous, Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 386

TMT: 8
 DOSE: 1600 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701349

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Clear Cell Focus TGLs = 1 - 13]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Hemosiderin, Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 387

TMT: 8
 DOSE: 1600 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701350

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|----------------------------|-------------|------------------|-------------------------|
| * Bone | | Fracture | |
| [Fracture TGLs = 2 - 15] | | | |
| * Bone Marrow | | Hyperplasia | Minimal |
| * Eye | Lens | Cataract | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Cyst | Mild |
| | | Inflammation | Chronic Active, Minimal |
| * Pituitary Gland | | Cyst | Mild |
| [Cyst TGLs = 3 - 14] | | | |
| * Spleen | | Pigmentation | Hemosiderin, Minimal |
| * Thymus | | Atrophy | Moderate |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |
| * Uterus | Endometrium | Adenoma | |
| [Adenoma TGLs = 1 - 13] | | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 388

TMT: 8

SEX: Female

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701351

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone		Osteopetrosis	Mild
* Bone Marrow		Hyperplasia	Mild
		Myelofibrosis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLs = 1 - 13]		
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 389

TMT: 8
 DOSE: 1600 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|------------------------------|-----------------|----------------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Hepatodiaphragmatic Nodule | |
| | Oval Cell | Hyperplasia | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | | Mixed Cell Focus | |
| [Hepatodiaphragmatic Nodule | TGLs = 1 - 13] | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Spleen | | Pigmentation | Hemosiderin, Minimal |
| * Thymus | | Atrophy | Moderate |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |
| * Uterus | | Inflammation | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 390

TMT: 8

SEX: Female

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701353

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Basophilic Focus TGLs = 2 - 14]		
	[Mixed Cell Focus TGLs = 1 - 13]		
* Lung		Inflammation	Chronic Active, Minimal
	Alveolar Epith	Metaplasia	Squamous, Minimal
* Nose		Inflammation	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal

Animal Note: TGL 3 = NCL (No Corresponding Lesion)

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 391

TMT: 8

SEX: Female

DAY ON TEST: 728

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701354

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
		Schwannoma Malignant	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 1 - 13]		
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 392

TMT: 8

SEX: Female

DAY ON TEST: 572

DOSE: 1600 PPM

DISP: Moribund Sacrifice

HISTO: 0701355

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 393

TMT: 8
 DOSE: 1600 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701356

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Angiectasis TGLs = 2 - 13]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus		Polyp Stromal	Multiple
	[Polyp Stromal TGLs = 1 - 11]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 394

TMT: 8
 DOSE: 1600 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701357

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Eosinophilic Focus	
	Inflammation	Chronic Active, Minimal
	Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 1 - 13]	
* Pituitary Gland	Pars Distalis	Moderate
	[Hyperplasia TGLs = 2 - 14]	
* Spleen	Pigmentation	Hemosiderin, Minimal
* Thymus	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 395

TMT: 8
 DOSE: 1600 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 728
 HISTO: 0701358

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mesenteric | * Nose | * Ovary | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | | | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|---|-----------------------|-------------------------|
| * Bone Marrow | | Hyperplasia | Minimal |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Inflammation | Chronic Active, Minimal |
| | [Basophilic Focus TGLs = 3 - 14] | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | Lymph Node | Infiltration Cellular | Histiocyte, Minimal |
| | [Infiltration Cellular TGLs = 2 - 13] | | |
| * Mammary Gland | | Fibroadenoma | |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 4 - 15] | | |
| * Spleen | | Pigmentation | Hemosiderin, Minimal |
| * Thymus | | Atrophy | Moderate |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |
| * Urinary Bladder | Transit Epithe | Hyperplasia | Marked |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 395

TMT: 8

SEX: Female

DAY ON TEST: 728

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701358

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 1 - 11]

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 396

TMT: 8
 DOSE: 1600 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701359

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Basophilic Focus TGLs = 1 - 13]		
* Lung	Alveolar Epith	Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Urinary Bladder	Transit Epithe	Hyperplasia	Marked
	Transit Epithe	Metaplasia	Squamous, Mild

Note: Hyperplasia of urinary bladder graded marked due to presence of metaplasia and/or atypia.

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 397

TMT: 8
 DOSE: 1600 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701360

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Moderate
		Basophilic Focus	
	Bile Duct	Cyst	Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Angiectasis TGLs = 2 - 13]		
	[Basophilic Focus TGLs = 3 - 14]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Minimal
* Ovary		Cyst	Minimal
	[Cyst TGLs = 1 - 11]		
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	[Angiectasis TGLs = 4 - 15]		
* Spleen		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 397

TMT: 8

SEX: Female

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701360

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 398

TMT: 8
 DOSE: 1600 PPM

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 727
 HISTO: 0701361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia Inflammation	Moderate Granulomatous, Mild
* Clitoral Gland		Adenoma	
	[Adenoma TGLs = 2 - 14]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis Basophilic Focus Clear Cell Focus Hepatodiaphragmatic Nodule	Marked
	Bile Duct	Hyperplasia Inflammation Mixed Cell Focus	Minimal Chronic Active, Minimal
	[Angiectasis TGLs = 5 - 17]		
	[Hepatodiaphragmatic Nodule TGLs = 4 - 16]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1 - 13]		
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLs = 3 - 15]		
* Nose	Glands, Respirat Epith	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 398

TMT: 8

SEX: Female

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701361

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hyperplasia	Histiocytic, Moderate
		Pigmentation	Hemosiderin, Minimal
	[Hyperplasia TGLs = 6 - 18]		
* Thymus		Atrophy	Moderate

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 10:59:46
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

ANIMAL NUM: 399

TMT: 8

SEX: Female

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	[Basophilic Focus TGLs = 3 - 15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2 - 13+14]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus		Polyp Stromal	

TDMS No. 99013 - 05
 Test Type: Chronic PN
 Route: DOSED FEED
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 10:59:46
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

ANIMAL NUM: 400

TMT: 8

SEX: Female

DAY ON TEST: 727

DOSE: 1600 PPM

DISP: Terminal Sacrifice

HISTO: 0701363

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
	[Hyperplasia TGLs = 2 - 14]		
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLs = 1 - 13]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 99013 - 05
Test Type: Chronic PN
Route: DOSED FEED
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

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*** END OF REPORT ***