

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 12:12:35
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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SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF STYRENE-ACRYLONITRILE TRIMER

MALE RATS

Organ

Adrenal Medulla
Bone Marrow

Brain

Epididymis
Eye: Retina
Intestine Large, Colon
Kidney

Liver

Liver: Bile Duct

Lung

Lung: Alveolar Epithelium

Nose: Olfactory Epithelium

Nose: Respiratory Epithelium

Pancreas: Acinus

Parathyroid Gland

Pituitary Gland: Pars Distalis

Prostate

Prostate: Epithelium

Spleen

Stomach, Forestomach

Stomach, Forestomach: Epithelium

Stomach, Glandular

Testes: Germinal Epithelium

Morphology

Hyperplasia
Hyperplasia
Inflammation Granulomatous
Demyelination
Hemorrhage
Inflammation
Gliosis
Parasite Metazoan
Accumulation, Hyaline Droplet
Nephropathy
Angiectasis
Clear Cell Focus
Eosinophilic Focus
Fatty Change Diffuse
Inflammation Chronic
Mixed Cell Focus
Pigmentation Hemosiderin
Hyperplasia
Inflammation Chronic
Hyperplasia
Metaplasia
Hyperplasia
Atrophy
Hyperplasia
Hyperplasia
Inflammation
Hyperplasia
Hyperplasia
Ulcer
Hyperplasia
Ulcer
Degeneration

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SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF STYRENE-ACRYLONITRILE TRIMER

Testes: Interstitial Cell
Thymus

Hyperplasia
Atrophy

FEMALE RATS

Organ

Adrenal Cortex

Adrenal Medulla
Bone Marrow

Brain
Clitoral Gland
Eye: Lens
Eye: Retina
Liver

Liver: Bile Duct

Lung
Lung: Alveolar Epithelium
Mammary Gland
Pancreas: Acinus
Spleen

Spleen: Lymphoid Follicle
Stomach, Forestomach: Epithelium
Thymus
Thyroid Gland: C-Cell
Urinary Bladder: Transitional Epithelium
Uterus

Uterus: Endometrium

Morphology

Degeneration Cystic
Hyperplasia
Hyperplasia
Hyperplasia
Inflammation Granulomatous
Mineralization
Hyperplasia
Cataract
Gliosis
Hematopoietic Cell Proliferation
Hepatodiaphragmatic Nodule
Inflammation Chronic
Mixed Cell Focus
Cyst
Hyperplasia
Inflammation Chronic
Metaplasia
Inflammation
Atrophy
Hematopoietic Cell Proliferation
Pigmentation Hemosiderin
Atrophy
Hyperplasia
Atrophy
Hyperplasia
Hyperplasia
Inflammation
Metaplasia
Hyperplasia Cystic

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Adrenal Cortex Degeneration Cystic				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/44.10	0/45.64	1/43.89	2/47.57
POLY-3 PERCENT (g)	0%	0%	2.3%	4.2%
TERMINAL (d)	0/36 (0%)	0/39 (0%)	1/39 (3%)	2/44 (5%)
FIRST INCIDENCE	---	---	726 (T)	726 (T)
STATISTICAL TESTS				
POLY 3	P=0.078	(e)	P=0.499	P=0.255
POLY 1.5	P=0.074	(e)	P=0.498	P=0.248
POLY 6	P=0.082	(e)	P=0.502	P=0.263
COCH-ARM / FISHERS	P=0.070	(e)	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.099	(e)	P=0.158	P=0.092

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TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Adrenal Cortex Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	1/44.10	2/45.64	4/43.89	1/47.57
POLY-3 PERCENT (g)	2.3%	4.4%	9.1%	2.1%
TERMINAL (d)	1/36 (3%)	2/39 (5%)	4/39 (10%)	1/44 (2%)
FIRST INCIDENCE	726 (T)	726 (T)	726 (T)	726 (T)
STATISTICAL TESTS				
POLY 3	P=0.556N	P=0.512	P=0.177	P=0.743N
POLY 1.5	P=0.573N	P=0.509	P=0.176	P=0.750N
POLY 6	P=0.534N	P=0.514	P=0.181	P=0.735N
COCH-ARM / FISHERS	P=0.596	P=0.500	P=0.181	P=0.753N
MAX-ISO-POLY-3	P=0.381	P=0.294	P=0.083	P=0.478N

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TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Adrenal Cortex Hypertrophy				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	2/44.10	1/45.64	2/43.89	0/47.57
POLY-3 PERCENT (g)	4.5%	2.2%	4.6%	0%
TERMINAL (d)	2/36 (6%)	1/39 (3%)	2/39 (5%)	0/44 (0%)
FIRST INCIDENCE	726 (T)	726 (T)	726 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.186N	P=0.488N	P=0.692	P=0.221N
POLY 1.5	P=0.192N	P=0.491N	P=0.690	P=0.227N
POLY 6	P=0.177N	P=0.486N	P=0.691N	P=0.213N
COCH-ARM / FISHERS	P=0.200N	P=0.500N	P=0.691N	P=0.247N
MAX-ISO-POLY-3	P=0.159N	P=0.274N	P=0.497	P=0.076N

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 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Adrenal Cortex Necrosis				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	2/44.73	0/45.64	2/44.67	0/47.57
POLY-3 PERCENT (g)	4.5%	0%	4.5%	0%
TERMINAL (d)	0/36 (0%)	0/39 (0%)	0/39 (0%)	0/44 (0%)
FIRST INCIDENCE	614	---	513	---
STATISTICAL TESTS				
POLY 3	P=0.236N	P=0.233N	P=0.693	P=0.224N
POLY 1.5	P=0.241N	P=0.233N	P=0.691	P=0.229N
POLY 6	P=0.228N	P=0.234N	P=0.690N	P=0.218N
COCH-ARM / FISHERS	P=0.247N	P=0.247N	P=0.691N	P=0.247N
MAX-ISO-POLY-3	P=0.120N	P=0.076N	P=0.499	P=0.076N

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 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Adrenal Cortex				
Vacuolization Cytoplasmic				
LESION RATES				
OVERALL (a)	2/50 (4%)	3/50 (6%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	2/44.35	3/46.73	2/45.28	1/47.73
POLY-3 PERCENT (g)	4.5%	6.4%	4.4%	2.1%
TERMINAL (d)	0/36 (0%)	0/39 (0%)	0/39 (0%)	0/44 (0%)
FIRST INCIDENCE	662	553	377	684
STATISTICAL TESTS				
POLY 3	P=0.289N	P=0.524	P=0.687N	P=0.474N
POLY 1.5	P=0.299N	P=0.517	P=0.691N	P=0.485N
POLY 6	P=0.276N	P=0.531	P=0.680N	P=0.462N
COCH-ARM / FISHERS	P=0.313N	P=0.500	P=0.691N	P=0.500N
MAX-ISO-POLY-3	P=0.360N	P=0.348	P=0.491N	P=0.267N

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 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Adrenal Medulla Hyperplasia				
LESION RATES				
OVERALL (a)	2/50 (4%)	11/50 (22%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	2/44.10	11/47.05	3/44.41	3/47.57
POLY-3 PERCENT (g)	4.5%	23.4%	6.8%	6.3%
TERMINAL (d)	2/36 (6%)	6/39 (15%)	1/39 (3%)	3/44 (7%)
FIRST INCIDENCE	726 (T)	553	614	726 (T)
STATISTICAL TESTS				
POLY 3	P=0.240N	P=0.010**	P=0.503	P=0.534
POLY 1.5	P=0.262N	P=0.009**	P=0.498	P=0.521
POLY 6	P=0.215N	P=0.011*	P=0.514	P=0.551
COCH-ARM / FISHERS	P=0.298N	P=0.007**	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.174N	P=0.005**	P=0.327	P=0.360

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 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Blood Vessel Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/44.10	0/45.64	2/43.89	0/47.57
POLY-3 PERCENT (g)	0%	0%	4.6%	0%
TERMINAL (d)	0/36 (0%)	0/39 (0%)	2/39 (5%)	0/44 (0%)
FIRST INCIDENCE	---	---	726 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.633	(e)	P=0.236	(e)
POLY 1.5	P=0.618	(e)	P=0.235	(e)
POLY 6	P=0.651	(e)	P=0.239	(e)
COCH-ARM / FISHERS	P=0.595	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.265	(e)	P=0.076	(e)

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 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Bone Marrow Hyperplasia				
LESION RATES				
OVERALL (a)	24/50 (48%)	24/50 (48%)	24/50 (48%)	37/50 (74%)
POLY-3 RATE (b)	24/46.72	24/48.05	24/46.84	37/48.28
POLY-3 PERCENT (g)	51.4%	50%	51.2%	76.6%
TERMINAL (d)	17/36 (47%)	19/39 (49%)	19/39 (49%)	35/44 (80%)
FIRST INCIDENCE	390	474	295	559
STATISTICAL TESTS				
POLY 3	P=0.003**	P=0.526N	P=0.577N	P=0.007**
POLY 1.5	P=0.003**	P=0.536N	P=0.581	P=0.006**
POLY 6	P=0.003**	P=0.526N	P=0.577N	P=0.008**
COCH-ARM / FISHERS	P=0.003**	P=0.579N	P=0.579N	P=0.007**
MAX-ISO-POLY-3	P=0.005**	P=0.444N	P=0.494N	P=0.004**

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 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Bone Marrow Inflammation Granulomatous				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/44.10	0/45.64	0/43.89	3/47.57
POLY-3 PERCENT (g)	0%	0%	0%	6.3%
TERMINAL (d)	0/36 (0%)	0/39 (0%)	0/39 (0%)	3/44 (7%)
FIRST INCIDENCE	---	---	---	726 (T)
STATISTICAL TESTS				
POLY 3	P=0.012*	(e)	(e)	P=0.133
POLY 1.5	P=0.011*	(e)	(e)	P=0.127
POLY 6	P=0.012*	(e)	(e)	P=0.140
COCH-ARM / FISHERS	P=0.012*	(e)	(e)	P=0.121
MAX-ISO-POLY-3	P=0.015*	(e)	(e)	P=0.050*

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 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Bone Marrow				
Myelofibrosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/44.31	1/46.04	0/43.89	0/47.57
POLY-3 PERCENT (g)	2.3%	2.2%	0%	0%
TERMINAL (d)	0/36 (0%)	0/39 (0%)	0/39 (0%)	0/44 (0%)
FIRST INCIDENCE	670	613	---	---
STATISTICAL TESTS				
POLY 3	P=0.234N	P=0.752N	P=0.502N	P=0.486N
POLY 1.5	P=0.236N	P=0.754N	P=0.503N	P=0.491N
POLY 6	P=0.232N	P=0.750N	P=0.500N	P=0.479N
COCH-ARM / FISHERS	P=0.236N	P=0.753N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.255N	P=0.488N	P=0.161N	P=0.158N

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 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Bone Marrow Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/44.10	0/45.64	2/44.02	0/47.57
POLY-3 PERCENT (g)	0%	0%	4.5%	0%
TERMINAL (d)	0/36 (0%)	0/39 (0%)	1/39 (3%)	0/44 (0%)
FIRST INCIDENCE	---	---	693	---
STATISTICAL TESTS				
POLY 3	P=0.633	(e)	P=0.237	(e)
POLY 1.5	P=0.618	(e)	P=0.235	(e)
POLY 6	P=0.651	(e)	P=0.240	(e)
COCH-ARM / FISHERS	P=0.595	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.266	(e)	P=0.076	(e)

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 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Brain				
Demyelination				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/44.49	0/45.64	0/43.89	0/47.57
POLY-3 PERCENT (g)	4.5%	0%	0%	0%
TERMINAL (d)	1/36 (3%)	0/39 (0%)	0/39 (0%)	0/44 (0%)
FIRST INCIDENCE	614	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.118N	P=0.231N	P=0.240N	P=0.223N
POLY 1.5	P=0.117N	P=0.232N	P=0.241N	P=0.228N
POLY 6	P=0.118N	P=0.231N	P=0.238N	P=0.216N
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.032N*	P=0.076N	P=0.079N	P=0.076N

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 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Brain Hemorrhage				
LESION RATES				
OVERALL (a)	5/50 (10%)	3/50 (6%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	5/44.91	3/46.77	3/45.48	1/47.73
POLY-3 PERCENT (g)	11.1%	6.4%	6.6%	2.1%
TERMINAL (d)	2/36 (6%)	1/39 (3%)	0/39 (0%)	0/44 (0%)
FIRST INCIDENCE	612	546	295	684
STATISTICAL TESTS				
POLY 3	P=0.071N	P=0.334N	P=0.349N	P=0.088N
POLY 1.5	P=0.075N	P=0.340N	P=0.354N	P=0.093N
POLY 6	P=0.067N	P=0.331N	P=0.342N	P=0.082N
COCH-ARM / FISHERS	P=0.079N	P=0.357N	P=0.357N	P=0.102N
MAX-ISO-POLY-3	P=0.068N	P=0.218N	P=0.227N	P=0.042N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Brain Mineralization				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/44.10	1/46.36	0/43.89	0/47.57
POLY-3 PERCENT (g)	2.3%	2.2%	0%	0%
TERMINAL (d)	1/36 (3%)	0/39 (0%)	0/39 (0%)	0/44 (0%)
FIRST INCIDENCE	726 (T)	474	---	---
STATISTICAL TESTS				
POLY 3	P=0.234N	P=0.749N	P=0.501N	P=0.485N
POLY 1.5	P=0.236N	P=0.752N	P=0.502N	P=0.491N
POLY 6	P=0.232N	P=0.747N	P=0.498N	P=0.478N
COCH-ARM / FISHERS	P=0.236N	P=0.753N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.255N	P=0.485N	P=0.160N	P=0.158N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Brain Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/44.10	1/46.20	1/44.49	0/47.57
POLY-3 PERCENT (g)	0%	2.2%	2.3%	0%
TERMINAL (d)	0/36 (0%)	0/39 (0%)	0/39 (0%)	0/44 (0%)
FIRST INCIDENCE	---	553	534	---
STATISTICAL TESTS				
POLY 3	P=0.574N	P=0.509	P=0.502	(e)
POLY 1.5	P=0.582N	P=0.507	P=0.500	(e)
POLY 6	P=0.563N	P=0.512	P=0.506	(e)
COCH-ARM / FISHERS	P=0.595N	P=0.500	P=0.500	(e)
MAX-ISO-POLY-3	P=0.413N	P=0.170	P=0.161	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Epididymis Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.10	3/45.74	0/43.89	0/47.57
POLY-3 PERCENT (g)	0%	6.6%	0%	0%
TERMINAL (d)	0/36 (0%)	2/39 (5%)	0/39 (0%)	0/44 (0%)
FIRST INCIDENCE	---	701	---	---
STATISTICAL TESTS				
POLY 3	P=0.287N	P=0.125	(e)	(e)
POLY 1.5	P=0.296N	P=0.124	(e)	(e)
POLY 6	P=0.277N	P=0.127	(e)	(e)
COCH-ARM / FISHERS	P=0.311N	P=0.121	(e)	(e)
MAX-ISO-POLY-3	P=0.174N	P=0.043*	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Eye: Lens				
Cataract				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/44.10	2/45.64	1/43.89	0/47.57
POLY-3 PERCENT (g)	2.3%	4.4%	2.3%	0%
TERMINAL (d)	1/36 (3%)	2/39 (5%)	1/39 (3%)	0/44 (0%)
FIRST INCIDENCE	726 (T)	726 (T)	726 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.230N	P=0.512	P=0.760	P=0.485N
POLY 1.5	P=0.238N	P=0.509	P=0.758	P=0.491N
POLY 6	P=0.221N	P=0.514	P=0.759N	P=0.478N
COCH-ARM / FISHERS	P=0.247N	P=0.500	P=0.753N	P=0.500N
MAX-ISO-POLY-3	P=0.236N	P=0.294	P=0.498	P=0.158N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Eye: Retina Degeneration				
LESION RATES				
OVERALL (a)	3/50 (6%)	3/50 (6%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	3/44.31	3/45.64	1/43.89	2/47.57
POLY-3 PERCENT (g)	6.8%	6.6%	2.3%	4.2%
TERMINAL (d)	2/36 (6%)	3/39 (8%)	1/39 (3%)	2/44 (5%)
FIRST INCIDENCE	670	726 (T)	726 (T)	726 (T)
STATISTICAL TESTS				
POLY 3	P=0.326N	P=0.649N	P=0.309N	P=0.468N
POLY 1.5	P=0.334N	P=0.651N	P=0.310N	P=0.481N
POLY 6	P=0.315N	P=0.648N	P=0.305N	P=0.453N
COCH-ARM / FISHERS	P=0.343N	P=0.661N	P=0.309N	P=0.500N
MAX-ISO-POLY-3	P=0.370N	P=0.485N	P=0.158N	P=0.302N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Eye: Retina				
Gliososis				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/44.30	0/45.64	0/43.89	0/47.57
POLY-3 PERCENT (g)	4.5%	0%	0%	0%
TERMINAL (d)	1/36 (3%)	0/39 (0%)	0/39 (0%)	0/44 (0%)
FIRST INCIDENCE	673	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.118N	P=0.231N	P=0.239N	P=0.222N
POLY 1.5	P=0.117N	P=0.232N	P=0.240N	P=0.228N
POLY 6	P=0.118N	P=0.230N	P=0.237N	P=0.215N
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.032N*	P=0.076N	P=0.078N	P=0.076N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Harderian Gland Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/44.10	2/45.64	0/43.89	0/47.57
POLY-3 PERCENT (g)	2.3%	4.4%	0%	0%
TERMINAL (d)	1/36 (3%)	2/39 (5%)	0/39 (0%)	0/44 (0%)
FIRST INCIDENCE	726 (T)	726 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.179N	P=0.512	P=0.501N	P=0.485N
POLY 1.5	P=0.183N	P=0.509	P=0.502N	P=0.491N
POLY 6	P=0.174N	P=0.514	P=0.498N	P=0.478N
COCH-ARM / FISHERS	P=0.188N	P=0.500	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.179N	P=0.294	P=0.160N	P=0.158N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Heart				
Cardiomyopathy				
LESION RATES				
OVERALL (a)	50/50 (100%)	49/50 (98%)	48/50 (96%)	49/50 (98%)
POLY-3 RATE (b)	50/50.00	49/50.00	48/48.14	49/49.02
POLY-3 PERCENT (g)	100%	98%	99.7%	100%
TERMINAL (d)	36/36 (100%)	38/39 (97%)	39/39 (100%)	44/44 (100%)
FIRST INCIDENCE	200	474	295	559
STATISTICAL TESTS				
POLY 3	P=0.590	P=0.500N	P=1.000N	P=1.000N
POLY 1.5	P=0.661	P=0.500N	P=0.943N	P=1.000N
POLY 6	P=0.572	P=0.500N	P=1.000N	P=1.000N
COCH-ARM / FISHERS	P=0.366N	P=0.500N	P=0.247N	P=0.500N
MAX-ISO-POLY-3	P=0.409	P=0.159N	P=0.160N	P=0.161N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Intestine Large, Colon				
Parasite Metazoan				
LESION RATES				
OVERALL (a)	9/50 (18%)	9/50 (18%)	2/50 (4%)	5/50 (10%)
POLY-3 RATE (b)	9/44.67	9/45.74	2/43.89	5/47.57
POLY-3 PERCENT (g)	20.2%	19.7%	4.6%	10.5%
TERMINAL (d)	7/36 (19%)	8/39 (21%)	2/39 (5%)	5/44 (11%)
FIRST INCIDENCE	625	701	726 (T)	726 (T)
STATISTICAL TESTS				
POLY 3	P=0.065N	P=0.582N	P=0.026N*	P=0.159N
POLY 1.5	P=0.071N	P=0.583N	P=0.027N*	P=0.172N
POLY 6	P=0.059N	P=0.584N	P=0.026N*	P=0.145N
COCH-ARM / FISHERS	P=0.079N	P=0.602N	P=0.026N*	P=0.194N
MAX-ISO-POLY-3	P=0.067N	P=0.477N	P=0.012N*	P=0.105N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Kidney				
Accumulation, Hyaline Droplet				
LESION RATES				
OVERALL (a)	3/50 (6%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	3/44.10	1/45.74	0/43.89	0/47.57
POLY-3 PERCENT (g)	6.8%	2.2%	0%	0%
TERMINAL (d)	3/36 (8%)	0/39 (0%)	0/39 (0%)	0/44 (0%)
FIRST INCIDENCE	726 (T)	701	---	---
STATISTICAL TESTS				
POLY 3	P=0.043N*	P=0.292N	P=0.119N	P=0.106N
POLY 1.5	P=0.043N*	P=0.295N	P=0.121N	P=0.111N
POLY 6	P=0.042N*	P=0.289N	P=0.117N	P=0.100N
COCH-ARM / FISHERS	P=0.044N*	P=0.309N	P=0.121N	P=0.121N
MAX-ISO-POLY-3	P=0.023N*	P=0.149N	P=0.039N*	P=0.038N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Kidney Infarct				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/44.10	2/45.74	0/43.89	1/47.73
POLY-3 PERCENT (g)	2.3%	4.4%	0%	2.1%
TERMINAL (d)	1/36 (3%)	1/39 (3%)	0/39 (0%)	0/44 (0%)
FIRST INCIDENCE	726 (T)	701	---	684
STATISTICAL TESTS				
POLY 3	P=0.487N	P=0.513	P=0.501N	P=0.743N
POLY 1.5	P=0.493N	P=0.510	P=0.502N	P=0.750N
POLY 6	P=0.479N	P=0.516	P=0.498N	P=0.733N
COCH-ARM / FISHERS	P=0.500N	P=0.500	P=0.500N	P=0.753N
MAX-ISO-POLY-3	P=0.388N	P=0.294	P=0.160N	P=0.477N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Kidney Nephropathy				
LESION RATES				
OVERALL (a)	47/50 (94%)	50/50 (100%)	48/50 (96%)	49/50 (98%)
POLY-3 RATE (b)	47/48.82	50/50.00	48/48.07	49/49.02
POLY-3 PERCENT (g)	96.3%	100%	99.9%	100%
TERMINAL (d)	36/36 (100%)	39/39 (100%)	39/39 (100%)	44/44 (100%)
FIRST INCIDENCE	200	474	377	559
STATISTICAL TESTS				
POLY 3	P=0.101	P=0.225	P=0.255	P=0.235
POLY 1.5	P=0.098	P=0.164	P=0.237	P=0.195
POLY 6	P=0.169	P=0.365	P=0.378	P=0.370
COCH-ARM / FISHERS	P=0.337	P=0.121	P=0.500	P=0.309
MAX-ISO-POLY-3	P=0.017*	P=0.051	P=0.061	P=0.053

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Kidney: Papilla Necrosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/44.82	0/45.64	0/43.89	0/47.57
POLY-3 PERCENT (g)	2.2%	0%	0%	0%
TERMINAL (d)	0/36 (0%)	0/39 (0%)	0/39 (0%)	0/44 (0%)
FIRST INCIDENCE	474	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.314N	P=0.496N	P=0.504N	P=0.488N
POLY 1.5	P=0.312N	P=0.497N	P=0.504N	P=0.493N
POLY 6	P=0.316N	P=0.496N	P=0.503N	P=0.482N
COCH-ARM / FISHERS	P=0.306N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.124N	P=0.158N	P=0.164N	P=0.158N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Kidney: Pelvis Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/44.10	1/46.20	1/43.89	0/47.57
POLY-3 PERCENT (g)	0%	2.2%	2.3%	0%
TERMINAL (d)	0/36 (0%)	0/39 (0%)	1/39 (3%)	0/44 (0%)
FIRST INCIDENCE	---	553	726 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.574N	P=0.509	P=0.499	(e)
POLY 1.5	P=0.582N	P=0.507	P=0.498	(e)
POLY 6	P=0.563N	P=0.512	P=0.502	(e)
COCH-ARM / FISHERS	P=0.595N	P=0.500	P=0.500	(e)
MAX-ISO-POLY-3	P=0.412N	P=0.170	P=0.158	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Kidney: Pelvis, Transitional Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/44.10	0/45.64	1/43.89	1/47.57
POLY-3 PERCENT (g)	2.3%	0%	2.3%	2.1%
TERMINAL (d)	1/36 (3%)	0/39 (0%)	1/39 (3%)	1/44 (2%)
FIRST INCIDENCE	726 (T)	---	726 (T)	726 (T)
STATISTICAL TESTS				
POLY 3	P=0.557	P=0.493N	P=0.760	P=0.743N
POLY 1.5	P=0.549	P=0.495N	P=0.758	P=0.750N
POLY 6	P=0.569	P=0.492N	P=0.759N	P=0.735N
COCH-ARM / FISHERS	P=0.539	P=0.500N	P=0.753N	P=0.753N
MAX-ISO-POLY-3	P=0.552	P=0.158N	P=0.498	P=0.478N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Liver				
Angiectasis				
LESION RATES				
OVERALL (a)	1/50 (2%)	5/50 (10%)	1/50 (2%)	9/50 (18%)
POLY-3 RATE (b)	1/44.30	5/45.64	1/43.89	9/47.73
POLY-3 PERCENT (g)	2.3%	11%	2.3%	18.9%
TERMINAL (d)	0/36 (0%)	5/39 (13%)	1/39 (3%)	8/44 (18%)
FIRST INCIDENCE	673	726 (T)	726 (T)	684
STATISTICAL TESTS				
POLY 3	P=0.007**	P=0.108	P=0.759	P=0.011*
POLY 1.5	P=0.007**	P=0.107	P=0.758	P=0.010**
POLY 6	P=0.008**	P=0.108	P=0.761N	P=0.013*
COCH-ARM / FISHERS	P=0.007**	P=0.102	P=0.753N	P=0.008**
MAX-ISO-POLY-3	P=0.004**	P=0.050*	P=0.496	P=0.006**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Liver				
Basophilic Focus				
LESION RATES				
OVERALL (a)	27/50 (54%)	29/50 (58%)	25/50 (50%)	34/50 (68%)
POLY-3 RATE (b)	27/44.86	29/46.36	25/43.89	34/48.48
POLY-3 PERCENT (g)	60.2%	62.6%	57%	70.1%
TERMINAL (d)	25/36 (69%)	28/39 (72%)	25/39 (64%)	31/44 (71%)
FIRST INCIDENCE	612	474	726 (T)	559
STATISTICAL TESTS				
POLY 3	P=0.180	P=0.493	P=0.462N	P=0.210
POLY 1.5	P=0.140	P=0.481	P=0.458N	P=0.161
POLY 6	P=0.251	P=0.492	P=0.457N	P=0.284
COCH-ARM / FISHERS	P=0.109	P=0.420	P=0.421N	P=0.109
MAX-ISO-POLY-3	P=0.252	P=0.405	P=0.376N	P=0.161

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Liver				
Clear Cell Focus				
LESION RATES				
OVERALL (a)	25/50 (50%)	25/50 (50%)	27/50 (54%)	33/50 (66%)
POLY-3 RATE (b)	25/44.10	25/45.64	27/43.89	33/47.57
POLY-3 PERCENT (g)	56.7%	54.8%	61.5%	69.4%
TERMINAL (d)	25/36 (69%)	25/39 (64%)	27/39 (69%)	33/44 (75%)
FIRST INCIDENCE	726 (T)	726 (T)	726 (T)	726 (T)
STATISTICAL TESTS				
POLY 3	P=0.076	P=0.512N	P=0.401	P=0.142
POLY 1.5	P=0.058	P=0.527N	P=0.393	P=0.109
POLY 6	P=0.109	P=0.498N	P=0.430	P=0.194
COCH-ARM / FISHERS	P=0.046*	P=0.579N	P=0.421	P=0.078
MAX-ISO-POLY-3	P=0.119	P=0.425N	P=0.318	P=0.105

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Liver				
Degeneration Cystic				
LESION RATES				
OVERALL (a)	7/50 (14%)	9/50 (18%)	11/50 (22%)	9/50 (18%)
POLY-3 RATE (b)	7/44.31	9/45.80	11/44.15	9/47.57
POLY-3 PERCENT (g)	15.8%	19.7%	24.9%	18.9%
TERMINAL (d)	6/36 (17%)	8/39 (21%)	9/39 (23%)	9/44 (21%)
FIRST INCIDENCE	670	684	693	726 (T)
STATISTICAL TESTS				
POLY 3	P=0.422	P=0.420	P=0.211	P=0.453
POLY 1.5	P=0.392	P=0.415	P=0.208	P=0.429
POLY 6	P=0.460	P=0.424	P=0.221	P=0.481
COCH-ARM / FISHERS	P=0.354	P=0.393	P=0.218	P=0.393
MAX-ISO-POLY-3	P=0.391	P=0.319	P=0.143	P=0.351

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Liver				
Eosinophilic Focus				
LESION RATES				
OVERALL (a)	17/50 (34%)	19/50 (38%)	22/50 (44%)	33/50 (66%)
POLY-3 RATE (b)	17/44.46	19/45.64	22/43.89	33/47.57
POLY-3 PERCENT (g)	38.2%	41.6%	50.1%	69.4%
TERMINAL (d)	16/36 (44%)	19/39 (49%)	22/39 (56%)	33/44 (75%)
FIRST INCIDENCE	625	726 (T)	726 (T)	726 (T)
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.455	P=0.178	P=0.002**
POLY 1.5	P<0.001**	P=0.450	P=0.180	P<0.001**
POLY 6	P<0.001**	P=0.454	P=0.182	P=0.002**
COCH-ARM / FISHERS	P<0.001**	P=0.418	P=0.206	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.371	P=0.128	P<0.001**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Liver				
Fatty Change Diffuse				
LESION RATES				
OVERALL (a)	1/50 (2%)	6/50 (12%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	1/44.48	6/47.10	3/45.67	0/47.57
POLY-3 PERCENT (g)	2.3%	12.7%	6.6%	0%
TERMINAL (d)	0/36 (0%)	2/39 (5%)	0/39 (0%)	0/44 (0%)
FIRST INCIDENCE	617	553	377	---
STATISTICAL TESTS				
POLY 3	P=0.131N	P=0.066	P=0.315	P=0.487N
POLY 1.5	P=0.141N	P=0.063	P=0.309	P=0.492N
POLY 6	P=0.119N	P=0.069	P=0.323	P=0.480N
COCH-ARM / FISHERS	P=0.162N	P=0.056	P=0.309	P=0.500N
MAX-ISO-POLY-3	P=0.088N	P=0.032*	P=0.164	P=0.158N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Liver				
Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	2/50 (4%)	3/50 (6%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	2/44.10	3/45.74	4/45.14	1/48.11
POLY-3 PERCENT (g)	4.5%	6.6%	8.9%	2.1%
TERMINAL (d)	2/36 (6%)	2/39 (5%)	2/39 (5%)	0/44 (0%)
FIRST INCIDENCE	726 (T)	701	377	559
STATISTICAL TESTS				
POLY 3	P=0.326N	P=0.517	P=0.348	P=0.470N
POLY 1.5	P=0.345N	P=0.513	P=0.341	P=0.482N
POLY 6	P=0.303N	P=0.521	P=0.359	P=0.455N
COCH-ARM / FISHERS	P=0.371N	P=0.500	P=0.339	P=0.500N
MAX-ISO-POLY-3	P=0.285N	P=0.341	P=0.211	P=0.264N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Liver				
Hepatodiaphragmatic Nodule				
LESION RATES				
OVERALL (a)	4/50 (8%)	5/50 (10%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	4/44.10	5/45.64	3/43.89	2/47.57
POLY-3 PERCENT (g)	9.1%	11%	6.8%	4.2%
TERMINAL (d)	4/36 (11%)	5/39 (13%)	3/39 (8%)	2/44 (5%)
FIRST INCIDENCE	726 (T)	726 (T)	726 (T)	726 (T)
STATISTICAL TESTS				
POLY 3	P=0.174N	P=0.522	P=0.503N	P=0.303N
POLY 1.5	P=0.185N	P=0.517	P=0.506N	P=0.317N
POLY 6	P=0.159N	P=0.526	P=0.495N	P=0.287N
COCH-ARM / FISHERS	P=0.200N	P=0.500	P=0.500N	P=0.339N
MAX-ISO-POLY-3	P=0.253N	P=0.384	P=0.349N	P=0.184N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Liver				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	34/50 (68%)	40/50 (80%)	38/50 (76%)	43/50 (86%)
POLY-3 RATE (b)	34/46.56	40/47.11	38/46.17	43/48.31
POLY-3 PERCENT (g)	73%	84.9%	82.3%	89%
TERMINAL (d)	30/36 (83%)	37/39 (95%)	34/39 (87%)	40/44 (91%)
FIRST INCIDENCE	200	474	57	621
STATISTICAL TESTS				
POLY 3	P=0.038*	P=0.106	P=0.193	P=0.033*
POLY 1.5	P=0.029*	P=0.117	P=0.200	P=0.025*
POLY 6	P=0.066	P=0.092	P=0.215	P=0.054
COCH-ARM / FISHERS	P=0.036*	P=0.127	P=0.252	P=0.028*
MAX-ISO-POLY-3	P=0.023*	P=0.065	P=0.130	P=0.019*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Liver				
Mixed Cell Focus				
LESION RATES				
OVERALL (a)	6/50 (12%)	19/50 (38%)	12/50 (24%)	20/50 (40%)
POLY-3 RATE (b)	6/44.10	19/45.64	12/43.89	20/47.57
POLY-3 PERCENT (g)	13.6%	41.6%	27.3%	42.1%
TERMINAL (d)	6/36 (17%)	19/39 (49%)	12/39 (31%)	20/44 (46%)
FIRST INCIDENCE	726 (T)	726 (T)	726 (T)	726 (T)
STATISTICAL TESTS				
POLY 3	P=0.013*	P=0.002**	P=0.089	P=0.002**
POLY 1.5	P=0.010**	P=0.002**	P=0.089	P<0.001**
POLY 6	P=0.018*	P=0.002**	P=0.093	P=0.002**
COCH-ARM / FISHERS	P=0.009**	P=0.002**	P=0.096	P<0.001**
MAX-ISO-POLY-3	P=0.003**	P<0.001**	P=0.053	P<0.001**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Liver				
Necrosis				
LESION RATES				
OVERALL (a)	3/50 (6%)	1/50 (2%)	5/50 (10%)	4/50 (8%)
POLY-3 RATE (b)	3/45.34	1/46.04	5/45.73	4/48.55
POLY-3 PERCENT (g)	6.6%	2.2%	10.9%	8.2%
TERMINAL (d)	1/36 (3%)	0/39 (0%)	1/39 (3%)	3/44 (7%)
FIRST INCIDENCE	390	613	295	186
STATISTICAL TESTS				
POLY 3	P=0.299	P=0.300N	P=0.361	P=0.537
POLY 1.5	P=0.286	P=0.300N	P=0.356	P=0.525
POLY 6	P=0.316	P=0.299N	P=0.370	P=0.552
COCH-ARM / FISHERS	P=0.264	P=0.309N	P=0.357	P=0.500
MAX-ISO-POLY-3	P=0.275	P=0.152N	P=0.236	P=0.386

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Liver				
Pigmentation Hemosiderin				
LESION RATES				
OVERALL (a)	3/50 (6%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	3/44.31	0/45.64	1/43.89	0/47.57
POLY-3 PERCENT (g)	6.8%	0%	2.3%	0%
TERMINAL (d)	2/36 (6%)	0/39 (0%)	1/39 (3%)	0/44 (0%)
FIRST INCIDENCE	670	---	726 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.083N	P=0.113N	P=0.309N	P=0.107N
POLY 1.5	P=0.085N	P=0.114N	P=0.310N	P=0.111N
POLY 6	P=0.081N	P=0.113N	P=0.305N	P=0.101N
COCH-ARM / FISHERS	P=0.086N	P=0.121N	P=0.309N	P=0.121N
MAX-ISO-POLY-3	P=0.023N*	P=0.038N*	P=0.158N	P=0.038N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Liver: Bile Duct Cyst				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/44.10	0/45.64	0/43.89	0/47.57
POLY-3 PERCENT (g)	2.3%	0%	0%	0%
TERMINAL (d)	1/36 (3%)	0/39 (0%)	0/39 (0%)	0/44 (0%)
FIRST INCIDENCE	726 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.317N	P=0.493N	P=0.501N	P=0.485N
POLY 1.5	P=0.314N	P=0.495N	P=0.502N	P=0.491N
POLY 6	P=0.320N	P=0.492N	P=0.498N	P=0.478N
COCH-ARM / FISHERS	P=0.306N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.124N	P=0.158N	P=0.160N	P=0.158N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Liver: Bile Duct Hyperplasia				
LESION RATES				
OVERALL (a)	41/50 (82%)	46/50 (92%)	42/50 (84%)	48/50 (96%)
POLY-3 RATE (b)	41/46.19	46/48.95	42/46.68	48/49.02
POLY-3 PERCENT (g)	88.8%	94%	90%	97.9%
TERMINAL (d)	33/36 (92%)	37/39 (95%)	35/39 (90%)	43/44 (98%)
FIRST INCIDENCE	612	546	513	559
STATISTICAL TESTS				
POLY 3	P=0.075	P=0.278	P=0.562	P=0.063
POLY 1.5	P=0.046*	P=0.213	P=0.502	P=0.034*
POLY 6	P=0.132	P=0.350	P=0.642	P=0.123
COCH-ARM / FISHERS	P=0.046*	P=0.117	P=0.500	P=0.026*
MAX-ISO-POLY-3	P=0.057	P=0.169	P=0.419	P=0.027*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Lung				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	7/50 (14%)	4/50 (8%)	4/50 (8%)	2/50 (4%)
POLY-3 RATE (b)	7/44.70	4/46.03	4/45.06	2/47.57
POLY-3 PERCENT (g)	15.7%	8.7%	8.9%	4.2%
TERMINAL (d)	4/36 (11%)	3/39 (8%)	2/39 (5%)	2/44 (5%)
FIRST INCIDENCE	617	617	513	726 (T)
STATISTICAL TESTS				
POLY 3	P=0.057N	P=0.244N	P=0.256N	P=0.065N
POLY 1.5	P=0.061N	P=0.247N	P=0.262N	P=0.070N
POLY 6	P=0.052N	P=0.242N	P=0.246N	P=0.059N
COCH-ARM / FISHERS	P=0.067N	P=0.262N	P=0.262N	P=0.080N
MAX-ISO-POLY-3	P=0.050N*	P=0.159N	P=0.165N	P=0.035N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Lung: Alveolar Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	13/50 (26%)	11/50 (22%)	5/50 (10%)	7/50 (14%)
POLY-3 RATE (b)	13/44.50	11/46.36	5/43.89	7/47.76
POLY-3 PERCENT (g)	29.2%	23.7%	11.4%	14.7%
TERMINAL (d)	12/36 (33%)	10/39 (26%)	5/39 (13%)	6/44 (14%)
FIRST INCIDENCE	612	474	726 (T)	677
STATISTICAL TESTS				
POLY 3	P=0.039N*	P=0.361N	P=0.032N*	P=0.073N
POLY 1.5	P=0.045N*	P=0.372N	P=0.033N*	P=0.085N
POLY 6	P=0.032N*	P=0.354N	P=0.030N*	P=0.061N
COCH-ARM / FISHERS	P=0.053N	P=0.408N	P=0.033N*	P=0.105N
MAX-ISO-POLY-3	P=0.044N*	P=0.281N	P=0.018N*	P=0.049N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Lung: Alveolar Epithelium Metaplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/44.10	0/45.64	0/43.89	1/47.57
POLY-3 PERCENT (g)	0%	0%	0%	2.1%
TERMINAL (d)	0/36 (0%)	0/39 (0%)	0/39 (0%)	1/44 (2%)
FIRST INCIDENCE	---	---	---	726 (T)
STATISTICAL TESTS				
POLY 3	P=0.208	(e)	(e)	P=0.515
POLY 1.5	P=0.204	(e)	(e)	P=0.509
POLY 6	P=0.213	(e)	(e)	P=0.522
COCH-ARM / FISHERS	P=0.198	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.150	(e)	(e)	P=0.177

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Lung: Alveolus Infiltration Cellular Histiocyte				
LESION RATES				
OVERALL (a)	2/50 (4%)	5/50 (10%)	4/50 (8%)	2/50 (4%)
POLY-3 RATE (b)	2/44.48	5/46.32	4/43.89	2/47.57
POLY-3 PERCENT (g)	4.5%	10.8%	9.1%	4.2%
TERMINAL (d)	1/36 (3%)	3/39 (8%)	4/39 (10%)	2/44 (5%)
FIRST INCIDENCE	617	546	726 (T)	726 (T)
STATISTICAL TESTS				
POLY 3	P=0.402N	P=0.233	P=0.331	P=0.669N
POLY 1.5	P=0.419N	P=0.229	P=0.330	P=0.679N
POLY 6	P=0.382N	P=0.236	P=0.334	P=0.658N
COCH-ARM / FISHERS	P=0.442N	P=0.218	P=0.339	P=0.691N
MAX-ISO-POLY-3	P=0.384N	P=0.135	P=0.197	P=0.473N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Lymph Node, Mesenteric Atrophy				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/44.10	0/45.64	0/43.89	1/47.57
POLY-3 PERCENT (g)	0%	0%	0%	2.1%
TERMINAL (d)	0/36 (0%)	0/39 (0%)	0/39 (0%)	1/44 (2%)
FIRST INCIDENCE	---	---	---	726 (T)
STATISTICAL TESTS				
POLY 3	P=0.208	(e)	(e)	P=0.515
POLY 1.5	P=0.204	(e)	(e)	P=0.509
POLY 6	P=0.213	(e)	(e)	P=0.522
COCH-ARM / FISHERS	P=0.198	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.150	(e)	(e)	P=0.177

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Mammary Gland Fibrosis				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/44.10	1/45.64	0/43.89	0/47.57
POLY-3 PERCENT (g)	4.5%	2.2%	0%	0%
TERMINAL (d)	2/36 (6%)	1/39 (3%)	0/39 (0%)	0/44 (0%)
FIRST INCIDENCE	726 (T)	726 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.100N	P=0.488N	P=0.238N	P=0.221N
POLY 1.5	P=0.101N	P=0.491N	P=0.239N	P=0.227N
POLY 6	P=0.098N	P=0.486N	P=0.235N	P=0.213N
COCH-ARM / FISHERS	P=0.101N	P=0.500N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.077N	P=0.274N	P=0.077N	P=0.076N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Mammary Gland Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	1/44.10	1/45.64	3/44.54	3/47.57
POLY-3 PERCENT (g)	2.3%	2.2%	6.7%	6.3%
TERMINAL (d)	1/36 (3%)	1/39 (3%)	2/39 (5%)	3/44 (7%)
FIRST INCIDENCE	726 (T)	726 (T)	513	726 (T)
STATISTICAL TESTS				
POLY 3	P=0.188	P=0.753N	P=0.309	P=0.333
POLY 1.5	P=0.178	P=0.755N	P=0.305	P=0.322
POLY 6	P=0.202	P=0.752N	P=0.316	P=0.347
COCH-ARM / FISHERS	P=0.165	P=0.753N	P=0.309	P=0.309
MAX-ISO-POLY-3	P=0.271	P=0.490N	P=0.158	P=0.182

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Mammary Gland Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.10	0/45.64	0/43.89	0/47.57
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/36 (0%)	0/39 (0%)	0/39 (0%)	0/44 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Mesentery: Fat Necrosis				
LESION RATES				
OVERALL (a)	3/3 (100%)	4/5 (80%)	5/7 (71%)	4/4 (100%)
POLY-3 RATE (b)	3/3.00	4/4.64	5/6.87	4/4.00
POLY-3 PERCENT (g)	100%	86.3%	72.7%	100%
TERMINAL (d)	2/2 (100%)	3/3 (100%)	4/5 (80%)	4/4 (100%)
FIRST INCIDENCE	673	553	693	726 (T)
STATISTICAL TESTS				
POLY 3	P=0.649	P=0.774N	P=0.453N	(e)
POLY 1.5	P=0.619	P=0.682N	P=0.444N	(e)
POLY 6	P=0.697	P=0.938N	P=0.470N	(e)
COCH-ARM / FISHERS	P=0.590	P=0.625N	P=0.467N	(e)
MAX-ISO-POLY-3	P=0.422	P=0.245N	P=0.204N	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Nose				
Foreign Body				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.10	2/45.97	0/43.89	0/47.57
POLY-3 PERCENT (g)	0%	4.4%	0%	0%
TERMINAL (d)	0/36 (0%)	1/39 (3%)	0/39 (0%)	0/44 (0%)
FIRST INCIDENCE	---	635	---	---
STATISTICAL TESTS				
POLY 3	P=0.386N	P=0.247	(e)	(e)
POLY 1.5	P=0.394N	P=0.244	(e)	(e)
POLY 6	P=0.378N	P=0.249	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.260N	P=0.085	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Nose Inflammation				
LESION RATES				
OVERALL (a)	24/50 (48%)	19/50 (38%)	20/50 (40%)	19/50 (38%)
POLY-3 RATE (b)	24/45.47	19/47.39	20/44.54	19/47.75
POLY-3 PERCENT (g)	52.8%	40.1%	44.9%	39.8%
TERMINAL (d)	19/36 (53%)	13/39 (33%)	18/39 (46%)	18/44 (41%)
FIRST INCIDENCE	474	553	565	680
STATISTICAL TESTS				
POLY 3	P=0.186N	P=0.152N	P=0.294N	P=0.145N
POLY 1.5	P=0.207N	P=0.168N	P=0.296N	P=0.168N
POLY 6	P=0.163N	P=0.134N	P=0.283N	P=0.120N
COCH-ARM / FISHERS	P=0.233N	P=0.210N	P=0.273N	P=0.210N
MAX-ISO-POLY-3	P=0.169N	P=0.112N	P=0.227N	P=0.107N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Nose: Olfactory Epithelium Metaplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/44.10	0/45.64	0/43.89	2/47.57
POLY-3 PERCENT (g)	0%	0%	0%	4.2%
TERMINAL (d)	0/36 (0%)	0/39 (0%)	0/39 (0%)	2/44 (5%)
FIRST INCIDENCE	---	---	---	726 (T)
STATISTICAL TESTS				
POLY 3	P=0.048*	(e)	(e)	P=0.255
POLY 1.5	P=0.047*	(e)	(e)	P=0.248
POLY 6	P=0.050*	(e)	(e)	P=0.263
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.047*	(e)	(e)	P=0.092

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Nose: Respiratory Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	5/50 (10%)
POLY-3 RATE (b)	1/44.10	1/45.64	1/44.42	5/47.57
POLY-3 PERCENT (g)	2.3%	2.2%	2.3%	10.5%
TERMINAL (d)	1/36 (3%)	1/39 (3%)	0/39 (0%)	5/44 (11%)
FIRST INCIDENCE	726 (T)	726 (T)	565	726 (T)
STATISTICAL TESTS				
POLY 3	P=0.028*	P=0.753N	P=0.759N	P=0.120
POLY 1.5	P=0.026*	P=0.755N	P=0.760	P=0.113
POLY 6	P=0.030*	P=0.752N	P=0.755N	P=0.130
COCH-ARM / FISHERS	P=0.025*	P=0.753N	P=0.753N	P=0.102
MAX-ISO-POLY-3	P=0.043*	P=0.490N	P=0.497N	P=0.061

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Pancreas Inflammation				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/44.10	0/45.64	1/44.02	0/47.57
POLY-3 PERCENT (g)	4.5%	0%	2.3%	0%
TERMINAL (d)	2/36 (6%)	0/39 (0%)	0/39 (0%)	0/44 (0%)
FIRST INCIDENCE	726 (T)	---	693	---
STATISTICAL TESTS				
POLY 3	P=0.185N	P=0.229N	P=0.501N	P=0.221N
POLY 1.5	P=0.187N	P=0.231N	P=0.503N	P=0.227N
POLY 6	P=0.181N	P=0.228N	P=0.495N	P=0.213N
COCH-ARM / FISHERS	P=0.188N	P=0.247N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.077N	P=0.076N	P=0.281N	P=0.076N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Pancreas: Acinus Atrophy				
LESION RATES				
OVERALL (a)	19/50 (38%)	33/50 (66%)	26/50 (52%)	28/50 (56%)
POLY-3 RATE (b)	19/45.42	33/48.35	26/45.06	28/49.02
POLY-3 PERCENT (g)	41.8%	68.3%	57.7%	57.1%
TERMINAL (d)	16/36 (44%)	26/39 (67%)	23/39 (59%)	23/44 (52%)
FIRST INCIDENCE	474	546	513	559
STATISTICAL TESTS				
POLY 3	P=0.252	P=0.007**	P=0.093	P=0.098
POLY 1.5	P=0.202	P=0.006**	P=0.093	P=0.076
POLY 6	P=0.332	P=0.009**	P=0.099	P=0.136
COCH-ARM / FISHERS	P=0.157	P=0.004**	P=0.114	P=0.054
MAX-ISO-POLY-3	P=0.048*	P=0.005**	P=0.062	P=0.074

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Pancreas: Acinus Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/44.10	2/45.64	1/43.89	0/47.57
POLY-3 PERCENT (g)	0%	4.4%	2.3%	0%
TERMINAL (d)	0/36 (0%)	2/39 (5%)	1/39 (3%)	0/44 (0%)
FIRST INCIDENCE	---	726 (T)	726 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.434N	P=0.245	P=0.499	(e)
POLY 1.5	P=0.445N	P=0.243	P=0.498	(e)
POLY 6	P=0.420N	P=0.246	P=0.502	(e)
COCH-ARM / FISHERS	P=0.461N	P=0.247	P=0.500	(e)
MAX-ISO-POLY-3	P=0.336N	P=0.083	P=0.158	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Styrene-acrylonitrile trimer

CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010

Time Report Requested: 12:12:35

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Parathyroid Gland Hyperplasia				
LESION RATES				
OVERALL (a)	2/35 (6%)	0/49 (0%)	0/49 (0%)	0/37 (0%)
POLY-3 RATE (b)	2/30.65	0/45.20	0/43.75	0/34.73
POLY-3 PERCENT (g)	6.5%	0%	0%	0%
TERMINAL (d)	0/23 (0%)	0/39 (0%)	0/39 (0%)	0/32 (0%)
FIRST INCIDENCE	474	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.107N	P=0.156N	P=0.161N	P=0.209N
POLY 1.5	P=0.105N	P=0.158N	P=0.163N	P=0.215N
POLY 6	P=0.110N	P=0.154N	P=0.158N	P=0.202N
COCH-ARM / FISHERS	P=0.102N	P=0.171N	P=0.171N	P=0.233N
MAX-ISO-POLY-3	P=0.019N*	P=0.056N	P=0.057N	P=0.072N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Pituitary Gland Cyst				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.10	0/45.64	0/43.89	0/47.57
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/36 (0%)	0/39 (0%)	0/39 (0%)	0/44 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Pituitary Gland: Pars Distalis Hyperplasia				
LESION RATES				
OVERALL (a)	17/50 (34%)	25/50 (50%)	13/50 (26%)	13/50 (26%)
POLY-3 RATE (b)	17/45.06	25/47.51	13/45.20	13/47.57
POLY-3 PERCENT (g)	37.7%	52.6%	28.8%	27.3%
TERMINAL (d)	14/36 (39%)	20/39 (51%)	10/39 (26%)	13/44 (30%)
FIRST INCIDENCE	617	553	565	726 (T)
STATISTICAL TESTS				
POLY 3	P=0.040N*	P=0.106	P=0.248N	P=0.198N
POLY 1.5	P=0.048N*	P=0.098	P=0.259N	P=0.219N
POLY 6	P=0.033N*	P=0.116	P=0.229N	P=0.177N
COCH-ARM / FISHERS	P=0.065N	P=0.078	P=0.257N	P=0.257N
MAX-ISO-POLY-3	P=0.057N	P=0.077	P=0.183N	P=0.148N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Prostate Inflammation				
LESION RATES				
OVERALL (a)	37/50 (74%)	29/50 (58%)	22/50 (44%)	18/50 (36%)
POLY-3 RATE (b)	37/46.95	29/48.74	22/47.42	18/48.31
POLY-3 PERCENT (g)	78.8%	59.5%	46.4%	37.3%
TERMINAL (d)	29/36 (81%)	22/39 (56%)	16/39 (41%)	15/44 (34%)
FIRST INCIDENCE	474	474	377	621
STATISTICAL TESTS				
POLY 3	P<0.001N**	P=0.030N*	P<0.001N**	P<0.001N**
POLY 1.5	P<0.001N**	P=0.038N*	P<0.001N**	P<0.001N**
POLY 6	P<0.001N**	P=0.025N*	P<0.001N**	P<0.001N**
COCH-ARM / FISHERS	P<0.001N**	P=0.069N	P=0.002N**	P<0.001N**
MAX-ISO-POLY-3	P<0.001N**	P=0.019N*	P<0.001N**	P<0.001N**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Prostate: Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	9/50 (18%)	3/50 (6%)	9/50 (18%)	6/50 (12%)
POLY-3 RATE (b)	9/44.31	3/45.64	9/43.89	6/47.57
POLY-3 PERCENT (g)	20.3%	6.6%	20.5%	12.6%
TERMINAL (d)	8/36 (22%)	3/39 (8%)	9/39 (23%)	6/44 (14%)
FIRST INCIDENCE	670	726 (T)	726 (T)	726 (T)
STATISTICAL TESTS				
POLY 3	P=0.384N	P=0.052N	P=0.595	P=0.238N
POLY 1.5	P=0.406N	P=0.054N	P=0.591	P=0.257N
POLY 6	P=0.356N	P=0.051N	P=0.604N	P=0.216N
COCH-ARM / FISHERS	P=0.431N	P=0.061N	P=0.602N	P=0.288N
MAX-ISO-POLY-3	P=0.251N	P=0.028N*	P=0.490	P=0.169N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Skin				
Cyst Epithelial Inclusion				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/44.30	0/45.64	1/43.89	2/47.57
POLY-3 PERCENT (g)	2.3%	0%	2.3%	4.2%
TERMINAL (d)	0/36 (0%)	0/39 (0%)	1/39 (3%)	2/44 (5%)
FIRST INCIDENCE	673	---	726 (T)	726 (T)
STATISTICAL TESTS				
POLY 3	P=0.262	P=0.494N	P=0.759	P=0.525
POLY 1.5	P=0.255	P=0.495N	P=0.758	P=0.515
POLY 6	P=0.270	P=0.494N	P=0.761N	P=0.536
COCH-ARM / FISHERS	P=0.247	P=0.500N	P=0.753N	P=0.500
MAX-ISO-POLY-3	P=0.266	P=0.158N	P=0.496	P=0.307

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Skin				
Ulcer				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/45.09	1/45.64	0/43.89	0/47.57
POLY-3 PERCENT (g)	4.4%	2.2%	0%	0%
TERMINAL (d)	0/36 (0%)	1/39 (3%)	0/39 (0%)	0/44 (0%)
FIRST INCIDENCE	200	726 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.100N	P=0.496N	P=0.243N	P=0.226N
POLY 1.5	P=0.101N	P=0.497N	P=0.244N	P=0.231N
POLY 6	P=0.099N	P=0.494N	P=0.240N	P=0.218N
COCH-ARM / FISHERS	P=0.101N	P=0.500N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.078N	P=0.278N	P=0.082N	P=0.076N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Spleen				
Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	4/50 (8%)	6/50 (12%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	4/45.58	6/47.38	4/45.26	3/48.11
POLY-3 PERCENT (g)	8.8%	12.7%	8.8%	6.2%
TERMINAL (d)	1/36 (3%)	1/39 (3%)	1/39 (3%)	2/44 (5%)
FIRST INCIDENCE	390	474	377	559
STATISTICAL TESTS				
POLY 3	P=0.293N	P=0.394	P=0.639	P=0.471N
POLY 1.5	P=0.306N	P=0.387	P=0.636	P=0.483N
POLY 6	P=0.275N	P=0.405	P=0.639N	P=0.453N
COCH-ARM / FISHERS	P=0.319N	P=0.370	P=0.643N	P=0.500N
MAX-ISO-POLY-3	P=0.373N	P=0.278	P=0.495	P=0.325N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Spleen Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	6/50 (12%)	2/50 (4%)
POLY-3 RATE (b)	1/44.10	1/45.64	6/43.89	2/47.57
POLY-3 PERCENT (g)	2.3%	2.2%	13.7%	4.2%
TERMINAL (d)	1/36 (3%)	1/39 (3%)	6/39 (15%)	2/44 (5%)
FIRST INCIDENCE	726 (T)	726 (T)	726 (T)	726 (T)
STATISTICAL TESTS				
POLY 3	P=0.337	P=0.753N	P=0.055	P=0.526
POLY 1.5	P=0.316	P=0.755N	P=0.054	P=0.516
POLY 6	P=0.363	P=0.752N	P=0.056	P=0.539
COCH-ARM / FISHERS	P=0.292	P=0.753N	P=0.056	P=0.500
MAX-ISO-POLY-3	P=0.143	P=0.490N	P=0.023*	P=0.309

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Spleen				
Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	2/44.10	1/45.64	4/43.89	3/47.57
POLY-3 PERCENT (g)	4.5%	2.2%	9.1%	6.3%
TERMINAL (d)	2/36 (6%)	1/39 (3%)	4/39 (10%)	3/44 (7%)
FIRST INCIDENCE	726 (T)	726 (T)	726 (T)	726 (T)
STATISTICAL TESTS				
POLY 3	P=0.326	P=0.488N	P=0.335	P=0.534
POLY 1.5	P=0.311	P=0.491N	P=0.332	P=0.521
POLY 6	P=0.346	P=0.486N	P=0.341	P=0.551
COCH-ARM / FISHERS	P=0.292	P=0.500N	P=0.339	P=0.500
MAX-ISO-POLY-3	P=0.309	P=0.274N	P=0.199	P=0.360

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Spleen Pigmentation Hemosiderin				
LESION RATES				
OVERALL (a)	8/50 (16%)	4/50 (8%)	4/50 (8%)	5/50 (10%)
POLY-3 RATE (b)	8/45.80	4/46.20	4/45.39	5/49.11
POLY-3 PERCENT (g)	17.5%	8.7%	8.8%	10.2%
TERMINAL (d)	6/36 (17%)	3/39 (8%)	1/39 (3%)	2/44 (5%)
FIRST INCIDENCE	200	553	534	186
STATISTICAL TESTS				
POLY 3	P=0.248N	P=0.172N	P=0.181N	P=0.233N
POLY 1.5	P=0.262N	P=0.174N	P=0.187N	P=0.250N
POLY 6	P=0.229N	P=0.169N	P=0.168N	P=0.210N
COCH-ARM / FISHERS	P=0.279N	P=0.178N	P=0.178N	P=0.277N
MAX-ISO-POLY-3	P=0.173N	P=0.105N	P=0.111N	P=0.160N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Spleen: Lymphoid Follicle Atrophy				
LESION RATES				
OVERALL (a)	3/50 (6%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	3/45.22	1/46.20	1/44.39	1/48.55
POLY-3 PERCENT (g)	6.6%	2.2%	2.3%	2.1%
TERMINAL (d)	1/36 (3%)	0/39 (0%)	0/39 (0%)	0/44 (0%)
FIRST INCIDENCE	474	553	575	186
STATISTICAL TESTS				
POLY 3	P=0.234N	P=0.298N	P=0.312N	P=0.281N
POLY 1.5	P=0.238N	P=0.299N	P=0.312N	P=0.289N
POLY 6	P=0.228N	P=0.297N	P=0.309N	P=0.272N
COCH-ARM / FISHERS	P=0.242N	P=0.309N	P=0.309N	P=0.309N
MAX-ISO-POLY-3	P=0.180N	P=0.151N	P=0.161N	P=0.146N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Stomach, Forestomach Dysplasia				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/44.55	0/45.64	0/43.89	1/47.57
POLY-3 PERCENT (g)	4.5%	0%	0%	2.1%
TERMINAL (d)	0/36 (0%)	0/39 (0%)	0/39 (0%)	1/44 (2%)
FIRST INCIDENCE	662	---	---	726 (T)
STATISTICAL TESTS				
POLY 3	P=0.467N	P=0.232N	P=0.240N	P=0.477N
POLY 1.5	P=0.466N	P=0.232N	P=0.241N	P=0.486N
POLY 6	P=0.465N	P=0.232N	P=0.239N	P=0.467N
COCH-ARM / FISHERS	P=0.461N	P=0.247N	P=0.247N	P=0.500N
MAX-ISO-POLY-3	P=0.133N	P=0.076N	P=0.079N	P=0.268N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Stomach, Forestomach Inflammation				
LESION RATES				
OVERALL (a)	6/50 (12%)	4/50 (8%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	6/45.13	4/46.18	2/44.99	2/47.94
POLY-3 PERCENT (g)	13.3%	8.7%	4.5%	4.2%
TERMINAL (d)	1/36 (3%)	2/39 (5%)	0/39 (0%)	1/44 (2%)
FIRST INCIDENCE	617	635	534	621
STATISTICAL TESTS				
POLY 3	P=0.071N	P=0.355N	P=0.134N	P=0.115N
POLY 1.5	P=0.075N	P=0.357N	P=0.136N	P=0.122N
POLY 6	P=0.067N	P=0.357N	P=0.131N	P=0.108N
COCH-ARM / FISHERS	P=0.080N	P=0.370N	P=0.134N	P=0.134N
MAX-ISO-POLY-3	P=0.082N	P=0.243N	P=0.070N	P=0.063N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Stomach, Forestomach Ulcer				
LESION RATES				
OVERALL (a)	6/50 (12%)	2/50 (4%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	6/45.16	2/45.97	2/44.99	1/47.94
POLY-3 PERCENT (g)	13.3%	4.4%	4.5%	2.1%
TERMINAL (d)	1/36 (3%)	1/39 (3%)	0/39 (0%)	0/44 (0%)
FIRST INCIDENCE	617	635	534	621
STATISTICAL TESTS				
POLY 3	P=0.037N*	P=0.127N	P=0.134N	P=0.047N*
POLY 1.5	P=0.039N*	P=0.127N	P=0.136N	P=0.050N*
POLY 6	P=0.035N*	P=0.129N	P=0.131N	P=0.044N*
COCH-ARM / FISHERS	P=0.042N*	P=0.134N	P=0.134N	P=0.056N
MAX-ISO-POLY-3	P=0.019N*	P=0.067N	P=0.070N	P=0.022N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Stomach, Forestomach: Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	7/50 (14%)	3/50 (6%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	7/45.37	3/45.97	2/44.92	2/47.73
POLY-3 PERCENT (g)	15.4%	6.5%	4.5%	4.2%
TERMINAL (d)	1/36 (3%)	2/39 (5%)	0/39 (0%)	1/44 (2%)
FIRST INCIDENCE	617	635	565	684
STATISTICAL TESTS				
POLY 3	P=0.050N*	P=0.152N	P=0.081N	P=0.067N
POLY 1.5	P=0.052N	P=0.151N	P=0.082N	P=0.072N
POLY 6	P=0.047N*	P=0.156N	P=0.080N	P=0.064N
COCH-ARM / FISHERS	P=0.056N	P=0.159N	P=0.080N	P=0.080N
MAX-ISO-POLY-3	P=0.033N*	P=0.088N	P=0.040N*	P=0.036N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Stomach, Glandular Inflammation				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	1/44.11	1/46.20	3/45.52	0/47.57
POLY-3 PERCENT (g)	2.3%	2.2%	6.6%	0%
TERMINAL (d)	0/36 (0%)	0/39 (0%)	0/39 (0%)	0/44 (0%)
FIRST INCIDENCE	722	553	534	---
STATISTICAL TESTS				
POLY 3	P=0.380N	P=0.750N	P=0.317	P=0.485N
POLY 1.5	P=0.392N	P=0.753N	P=0.309	P=0.491N
POLY 6	P=0.364N	P=0.748N	P=0.328	P=0.478N
COCH-ARM / FISHERS	P=0.409N	P=0.753N	P=0.309	P=0.500N
MAX-ISO-POLY-3	P=0.239N	P=0.486N	P=0.166	P=0.158N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Stomach, Glandular Ulcer				
LESION RATES				
OVERALL (a)	4/50 (8%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	4/44.57	0/45.64	0/43.89	0/47.57
POLY-3 PERCENT (g)	9%	0%	0%	0%
TERMINAL (d)	1/36 (3%)	0/39 (0%)	0/39 (0%)	0/44 (0%)
FIRST INCIDENCE	662	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.019N*	P=0.057N	P=0.062N	P=0.052N
POLY 1.5	P=0.019N*	P=0.058N	P=0.062N	P=0.056N
POLY 6	P=0.019N*	P=0.057N	P=0.061N	P=0.049N*
COCH-ARM / FISHERS	P=0.020N*	P=0.059N	P=0.059N	P=0.059N
MAX-ISO-POLY-3	P=0.003N**	P=0.019N*	P=0.021N*	P=0.019N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Testes: Germinal Epithelium Degeneration				
LESION RATES				
OVERALL (a)	5/50 (10%)	3/50 (6%)	4/50 (8%)	0/50 (0%)
POLY-3 RATE (b)	5/44.69	3/46.60	4/45.35	0/47.57
POLY-3 PERCENT (g)	11.2%	6.4%	8.8%	0%
TERMINAL (d)	3/36 (8%)	1/39 (3%)	2/39 (5%)	0/44 (0%)
FIRST INCIDENCE	617	546	377	---
STATISTICAL TESTS				
POLY 3	P=0.029N*	P=0.334N	P=0.491N	P=0.026N*
POLY 1.5	P=0.031N*	P=0.339N	P=0.497N	P=0.028N*
POLY 6	P=0.027N*	P=0.329N	P=0.482N	P=0.024N*
COCH-ARM / FISHERS	P=0.035N*	P=0.357N	P=0.500N	P=0.028N*
MAX-ISO-POLY-3	P=0.025N*	P=0.218N	P=0.355N	P=0.010N**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Testes: Interstitial Cell Hyperplasia				
LESION RATES				
OVERALL (a)	12/50 (24%)	4/50 (8%)	8/50 (16%)	0/50 (0%)
POLY-3 RATE (b)	12/45.81	4/46.22	8/46.89	0/47.57
POLY-3 PERCENT (g)	26.2%	8.7%	17.1%	0%
TERMINAL (d)	8/36 (22%)	3/39 (8%)	3/39 (8%)	0/44 (0%)
FIRST INCIDENCE	474	546	377	---
STATISTICAL TESTS				
POLY 3	P<0.001N**	P=0.024N*	P=0.207N	P<0.001N**
POLY 1.5	P<0.001N**	P=0.024N*	P=0.219N	P<0.001N**
POLY 6	P<0.001N**	P=0.024N*	P=0.193N	P<0.001N**
COCH-ARM / FISHERS	P<0.001N**	P=0.027N*	P=0.227N	P<0.001N**
MAX-ISO-POLY-3	P<0.001N**	P=0.012N*	P=0.145N	P<0.001N**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Thymus Atrophy				
LESION RATES				
OVERALL (a)	44/48 (92%)	46/50 (92%)	47/50 (94%)	49/50 (98%)
POLY-3 RATE (b)	44/46.47	46/49.28	47/47.42	49/49.02
POLY-3 PERCENT (g)	94.7%	93.4%	99.1%	100%
TERMINAL (d)	34/35 (97%)	37/39 (95%)	39/39 (100%)	44/44 (100%)
FIRST INCIDENCE	200	474	377	559
STATISTICAL TESTS				
POLY 3	P=0.037*	P=0.566N	P=0.222	P=0.131
POLY 1.5	P=0.034*	P=0.603N	P=0.242	P=0.103
POLY 6	P=0.056	P=0.530N	P=0.250	P=0.206
COCH-ARM / FISHERS	P=0.105	P=0.619	P=0.477	P=0.168
MAX-ISO-POLY-3	P=0.052	P=0.384N	P=0.070	P=0.033*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Thyroid Gland: C-Cell Hyperplasia				
LESION RATES				
OVERALL (a)	14/50 (28%)	14/50 (28%)	13/50 (26%)	14/50 (28%)
POLY-3 RATE (b)	14/44.49	14/46.58	13/45.04	14/47.57
POLY-3 PERCENT (g)	31.5%	30.1%	28.9%	29.4%
TERMINAL (d)	13/36 (36%)	12/39 (31%)	11/39 (28%)	14/44 (32%)
FIRST INCIDENCE	614	546	513	726 (T)
STATISTICAL TESTS				
POLY 3	P=0.464N	P=0.532N	P=0.485N	P=0.506N
POLY 1.5	P=0.495N	P=0.547N	P=0.500N	P=0.539N
POLY 6	P=0.426N	P=0.518N	P=0.460N	P=0.467N
COCH-ARM / FISHERS	P=0.532N	P=0.588N	P=0.500N	P=0.588N
MAX-ISO-POLY-3	P=0.633N	P=0.442N	P=0.393N	P=0.417N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Tooth Malformation				
LESION RATES				
OVERALL (a)	3/4 (75%)	4/4 (100%)	1/1 (100%)	5/5 (100%)
POLY-3 RATE (b)	3/3.61	4/4.00	1/1.00	5/5.00
POLY-3 PERCENT (g)	83.2%	100%	100%	100%
TERMINAL (d)	2/2 (100%)	3/3 (100%)	1/1 (100%)	5/5 (100%)
FIRST INCIDENCE	673	613	726 (T)	726 (T)
STATISTICAL TESTS				
POLY 3	P=0.473	P=0.716	P=0.895	P=0.685
POLY 1.5	P=0.380	P=0.599	P=0.823	P=0.558
POLY 6	P=0.727	P=0.935	P=0.987	P=0.928
COCH-ARM / FISHERS	P=0.299	P=0.500	P=0.800	P=0.444
MAX-ISO-POLY-3	P=0.166	P=0.172	P=0.358	P=0.150

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Urinary Bladder Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/44.10	0/45.64	2/45.28	0/47.57
POLY-3 PERCENT (g)	0%	0%	4.4%	0%
TERMINAL (d)	0/36 (0%)	0/39 (0%)	0/39 (0%)	0/44 (0%)
FIRST INCIDENCE	---	---	377	---
STATISTICAL TESTS				
POLY 3	P=0.631	(e)	P=0.243	(e)
POLY 1.5	P=0.617	(e)	P=0.239	(e)
POLY 6	P=0.650	(e)	P=0.248	(e)
COCH-ARM / FISHERS	P=0.595	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.271	(e)	P=0.082	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 PPM	400 PPM	800 PPM	1600 PPM
Urinary Bladder: Transitional Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.10	1/45.64	0/43.89	0/47.57
POLY-3 PERCENT (g)	0%	2.2%	0%	0%
TERMINAL (d)	0/36 (0%)	1/39 (3%)	0/39 (0%)	0/44 (0%)
FIRST INCIDENCE	---	726 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.560N	P=0.507	(e)	(e)
POLY 1.5	P=0.563N	P=0.505	(e)	(e)
POLY 6	P=0.556N	P=0.508	(e)	(e)
COCH-ARM / FISHERS	P=0.567N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.393N	P=0.167	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Adrenal Cortex Degeneration Cystic				
LESION RATES				
OVERALL (a)	6/50 (12%)	9/50 (18%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	6/46.50	9/46.81	1/44.45	1/47.99
POLY-3 PERCENT (g)	12.9%	19.2%	2.3%	2.1%
TERMINAL (d)	6/41 (15%)	8/38 (21%)	1/37 (3%)	1/46 (2%)
FIRST INCIDENCE	727 (T)	718	727 (T)	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.007N**	P=0.292	P=0.063N	P=0.051N
POLY 1.5	P=0.007N**	P=0.297	P=0.059N	P=0.052N
POLY 6	P=0.007N**	P=0.281	P=0.069N	P=0.050N*
COCH-ARM / FISHERS	P=0.009N**	P=0.288	P=0.056N	P=0.056N
MAX-ISO-POLY-3	P=0.011N*	P=0.205	P=0.030N*	P=0.023N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Adrenal Cortex Hyperplasia				
LESION RATES				
OVERALL (a)	14/50 (28%)	9/50 (18%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	14/46.50	9/46.78	3/44.84	3/47.99
POLY-3 PERCENT (g)	30.1%	19.2%	6.7%	6.3%
TERMINAL (d)	14/41 (34%)	9/38 (24%)	2/37 (5%)	3/46 (7%)
FIRST INCIDENCE	727 (T)	727 (T)	617	727 (T)
STATISTICAL TESTS				
POLY 3	P<0.001N**	P=0.163N	P=0.003N**	P=0.002N**
POLY 1.5	P<0.001N**	P=0.160N	P=0.003N**	P=0.002N**
POLY 6	P<0.001N**	P=0.172N	P=0.004N**	P=0.002N**
COCH-ARM / FISHERS	P<0.001N**	P=0.171N	P=0.003N**	P=0.003N**
MAX-ISO-POLY-3	P<0.001N**	P=0.111N	P=0.002N**	P<0.001N**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Adrenal Cortex Hypertrophy				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	1/46.50	0/46.78	1/44.45	3/47.99
POLY-3 PERCENT (g)	2.2%	0%	2.3%	6.3%
TERMINAL (d)	1/41 (2%)	0/38 (0%)	1/37 (3%)	3/46 (7%)
FIRST INCIDENCE	727 (T)	---	727 (T)	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.100	P=0.499N	P=0.751	P=0.317
POLY 1.5	P=0.098	P=0.498N	P=0.756	P=0.315
POLY 6	P=0.102	P=0.502N	P=0.744	P=0.320
COCH-ARM / FISHERS	P=0.097	P=0.500N	P=0.753N	P=0.309
MAX-ISO-POLY-3	P=0.096	P=0.159N	P=0.487	P=0.166

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Adrenal Cortex Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/46.50	1/46.97	0/44.45	1/48.40
POLY-3 PERCENT (g)	0%	2.1%	0%	2.1%
TERMINAL (d)	0/41 (0%)	0/38 (0%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	---	676	---	610
STATISTICAL TESTS				
POLY 3	P=0.415	P=0.502	(e)	P=0.508
POLY 1.5	P=0.413	P=0.503	(e)	P=0.506
POLY 6	P=0.419	P=0.500	(e)	P=0.511
COCH-ARM / FISHERS	P=0.405	P=0.500	(e)	P=0.500
MAX-ISO-POLY-3	P=0.271	P=0.161	(e)	P=0.169

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Adrenal Cortex				
Vacuolization Cytoplasmic				
LESION RATES				
OVERALL (a)	1/50 (2%)	3/50 (6%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/46.50	3/47.61	1/44.97	2/48.67
POLY-3 PERCENT (g)	2.2%	6.3%	2.2%	4.1%
TERMINAL (d)	1/41 (2%)	0/38 (0%)	0/37 (0%)	1/46 (2%)
FIRST INCIDENCE	727 (T)	578	572	498
STATISTICAL TESTS				
POLY 3	P=0.544	P=0.314	P=0.753	P=0.516
POLY 1.5	P=0.540	P=0.314	P=0.758	P=0.512
POLY 6	P=0.551	P=0.313	P=0.748	P=0.521
COCH-ARM / FISHERS	P=0.526	P=0.309	P=0.753N	P=0.500
MAX-ISO-POLY-3	P=0.478	P=0.163	P=0.490	P=0.298

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Styrene-acrylonitrile trimer

CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010

Time Report Requested: 12:12:35

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Adrenal Medulla Hyperplasia				
LESION RATES				
OVERALL (a)	3/50 (6%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	3/47.02	0/46.78	1/44.45	1/48.40
POLY-3 PERCENT (g)	6.4%	0%	2.3%	2.1%
TERMINAL (d)	2/41 (5%)	0/38 (0%)	1/37 (3%)	0/46 (0%)
FIRST INCIDENCE	566	---	727 (T)	611
STATISTICAL TESTS				
POLY 3	P=0.293N	P=0.120N	P=0.326N	P=0.295N
POLY 1.5	P=0.295N	P=0.118N	P=0.315N	P=0.297N
POLY 6	P=0.289N	P=0.123N	P=0.339N	P=0.292N
COCH-ARM / FISHERS	P=0.296N	P=0.121N	P=0.309N	P=0.309N
MAX-ISO-POLY-3	P=0.106N	P=0.039N*	P=0.175N	P=0.150N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Blood Vessel Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.50	0/45.78	0/44.45	0/47.99
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/41 (0%)	0/37 (0%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Bone Marrow Hyperplasia				
LESION RATES				
OVERALL (a)	16/50 (32%)	25/50 (50%)	25/50 (50%)	38/50 (76%)
POLY-3 RATE (b)	16/47.72	25/48.69	25/47.19	38/49.49
POLY-3 PERCENT (g)	33.5%	51.3%	53%	76.8%
TERMINAL (d)	13/41 (32%)	18/38 (47%)	17/37 (46%)	35/46 (76%)
FIRST INCIDENCE	512	578	547	498
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.057	P=0.042*	P<0.001**
POLY 1.5	P<0.001**	P=0.058	P=0.047*	P<0.001**
POLY 6	P<0.001**	P=0.056	P=0.038*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.052	P=0.052	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.038*	P=0.027*	P<0.001**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Styrene-acrylonitrile trimer

CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010

Time Report Requested: 12:12:35

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Bone Marrow Inflammation Granulomatous				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	6/50 (12%)	2/50 (4%)
POLY-3 RATE (b)	0/46.50	0/46.78	6/44.56	2/47.99
POLY-3 PERCENT (g)	0%	0%	13.5%	4.2%
TERMINAL (d)	0/41 (0%)	0/38 (0%)	5/37 (14%)	2/46 (4%)
FIRST INCIDENCE	---	---	701	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.118	(e)	P=0.013*	P=0.244
POLY 1.5	P=0.115	(e)	P=0.014*	P=0.243
POLY 6	P=0.125	(e)	P=0.012*	P=0.247
COCH-ARM / FISHERS	P=0.111	(e)	P=0.013*	P=0.247
MAX-ISO-POLY-3	P=0.027*	(e)	P=0.005**	P=0.083

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Bone Marrow				
Myelofibrosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/46.60	2/46.78	0/44.45	1/47.99
POLY-3 PERCENT (g)	2.2%	4.3%	0%	2.1%
TERMINAL (d)	0/41 (0%)	2/38 (5%)	0/37 (0%)	1/46 (2%)
FIRST INCIDENCE	701	727 (T)	---	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.499N	P=0.501	P=0.509N	P=0.754N
POLY 1.5	P=0.498N	P=0.504	P=0.504N	P=0.755N
POLY 6	P=0.499N	P=0.496	P=0.516N	P=0.752N
COCH-ARM / FISHERS	P=0.500N	P=0.500	P=0.500N	P=0.753N
MAX-ISO-POLY-3	P=0.388N	P=0.282	P=0.170N	P=0.491N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 12:12:35
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Bone Marrow Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.50	0/46.78	0/44.45	0/47.99
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/41 (0%)	0/38 (0%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Brain				
Demyelination				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.50	0/46.78	0/44.45	0/47.99
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/41 (0%)	0/38 (0%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Brain Hemorrhage				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	2/46.75	1/47.06	3/45.63	1/48.40
POLY-3 PERCENT (g)	4.3%	2.1%	6.6%	2.1%
TERMINAL (d)	1/41 (2%)	0/38 (0%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	659	652	558	610
STATISTICAL TESTS				
POLY 3	P=0.460N	P=0.498N	P=0.489	P=0.488N
POLY 1.5	P=0.465N	P=0.496N	P=0.496	P=0.491N
POLY 6	P=0.453N	P=0.503N	P=0.480	P=0.484N
COCH-ARM / FISHERS	P=0.474N	P=0.500N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.458N	P=0.279N	P=0.316	P=0.274N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Brain Mineralization				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/46.50	0/46.78	0/44.45	0/47.99
POLY-3 PERCENT (g)	4.3%	0%	0%	0%
TERMINAL (d)	2/41 (5%)	0/38 (0%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	727 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.116N	P=0.236N	P=0.247N	P=0.230N
POLY 1.5	P=0.116N	P=0.235N	P=0.242N	P=0.232N
POLY 6	P=0.116N	P=0.239N	P=0.254N	P=0.228N
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.033N*	P=0.076N	P=0.086N	P=0.076N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Brain Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/46.50	2/47.27	1/44.56	0/47.99
POLY-3 PERCENT (g)	0%	4.2%	2.2%	0%
TERMINAL (d)	0/41 (0%)	1/38 (3%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	---	578	701	---
STATISTICAL TESTS				
POLY 3	P=0.451N	P=0.241	P=0.491	(e)
POLY 1.5	P=0.452N	P=0.241	P=0.496	(e)
POLY 6	P=0.449N	P=0.239	P=0.486	(e)
COCH-ARM / FISHERS	P=0.461N	P=0.247	P=0.500	(e)
MAX-ISO-POLY-3	P=0.329N	P=0.080	P=0.158	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Clitoral Gland Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	4/50 (8%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/46.50	4/46.78	1/44.45	1/47.99
POLY-3 PERCENT (g)	0%	8.6%	2.3%	2.1%
TERMINAL (d)	0/41 (0%)	4/38 (11%)	1/37 (3%)	1/46 (2%)
FIRST INCIDENCE	---	727 (T)	727 (T)	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.545N	P=0.061	P=0.491	P=0.506
POLY 1.5	P=0.546N	P=0.062	P=0.496	P=0.505
POLY 6	P=0.544N	P=0.059	P=0.485	P=0.508
COCH-ARM / FISHERS	P=0.556N	P=0.059	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.188	P=0.020*	P=0.158	P=0.167

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Eye: Lens				
Cataract				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	2/50 (4%)	5/50 (10%)
POLY-3 RATE (b)	1/46.50	2/46.78	2/45.26	5/48.40
POLY-3 PERCENT (g)	2.2%	4.3%	4.4%	10.3%
TERMINAL (d)	1/41 (2%)	2/38 (5%)	1/37 (3%)	4/46 (9%)
FIRST INCIDENCE	727 (T)	727 (T)	422	611
STATISTICAL TESTS				
POLY 3	P=0.054	P=0.502	P=0.491	P=0.111
POLY 1.5	P=0.053	P=0.504	P=0.497	P=0.109
POLY 6	P=0.057	P=0.497	P=0.482	P=0.115
COCH-ARM / FISHERS	P=0.050*	P=0.500	P=0.500	P=0.102
MAX-ISO-POLY-3	P=0.062	P=0.283	P=0.275	P=0.053

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Eye: Retina Degeneration				
LESION RATES				
OVERALL (a)	2/50 (4%)	3/50 (6%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	2/46.60	3/46.78	2/44.45	3/48.40
POLY-3 PERCENT (g)	4.3%	6.4%	4.5%	6.2%
TERMINAL (d)	1/41 (2%)	3/38 (8%)	2/37 (5%)	2/46 (4%)
FIRST INCIDENCE	701	727 (T)	727 (T)	611
STATISTICAL TESTS				
POLY 3	P=0.474	P=0.502	P=0.677	P=0.517
POLY 1.5	P=0.469	P=0.505	P=0.686	P=0.513
POLY 6	P=0.482	P=0.494	P=0.665	P=0.523
COCH-ARM / FISHERS	P=0.456	P=0.500	P=0.691N	P=0.500
MAX-ISO-POLY-3	P=0.542	P=0.326	P=0.480	P=0.342

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Eye: Retina				
Gliososis				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	0/46.50	1/46.78	1/44.45	4/47.99
POLY-3 PERCENT (g)	0%	2.1%	2.3%	8.3%
TERMINAL (d)	0/41 (0%)	1/38 (3%)	1/37 (3%)	4/46 (9%)
FIRST INCIDENCE	---	727 (T)	727 (T)	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.018*	P=0.501	P=0.491	P=0.065
POLY 1.5	P=0.018*	P=0.502	P=0.496	P=0.064
POLY 6	P=0.019*	P=0.498	P=0.485	P=0.066
COCH-ARM / FISHERS	P=0.018*	P=0.500	P=0.500	P=0.059
MAX-ISO-POLY-3	P=0.017*	P=0.160	P=0.158	P=0.023*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Styrene-acrylonitrile trimer

CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010

Time Report Requested: 12:12:35

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Harderian Gland Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.50	0/46.78	0/44.45	0/47.99
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/41 (0%)	0/38 (0%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Heart				
Cardiomyopathy				
LESION RATES				
OVERALL (a)	47/50 (94%)	49/50 (98%)	46/50 (92%)	48/50 (96%)
POLY-3 RATE (b)	47/48.35	49/49.79	46/47.76	48/49.32
POLY-3 PERCENT (g)	97.2%	98.4%	96.3%	97.3%
TERMINAL (d)	40/41 (98%)	38/38 (100%)	37/37 (100%)	45/46 (98%)
FIRST INCIDENCE	566	509	422	572
STATISTICAL TESTS				
POLY 3	P=0.581N	P=0.622	P=0.661N	P=0.737
POLY 1.5	P=0.545N	P=0.562	P=0.498N	P=0.711
POLY 6	P=0.626N	P=0.657	P=0.738	P=0.750
COCH-ARM / FISHERS	P=0.544	P=0.309	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.571N	P=0.330	P=0.380N	P=0.484

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Intestine Large, Colon Parasite Metazoan				
LESION RATES				
OVERALL (a)	5/50 (10%)	5/50 (10%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	5/46.81	5/46.98	1/44.45	4/47.99
POLY-3 PERCENT (g)	10.7%	10.6%	2.3%	8.3%
TERMINAL (d)	4/41 (10%)	4/38 (11%)	1/37 (3%)	4/46 (9%)
FIRST INCIDENCE	641	673	727 (T)	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.338N	P=0.628N	P=0.114N	P=0.484N
POLY 1.5	P=0.337N	P=0.623N	P=0.107N	P=0.486N
POLY 6	P=0.336N	P=0.623	P=0.123N	P=0.481N
COCH-ARM / FISHERS	P=0.341N	P=0.630N	P=0.102N	P=0.500N
MAX-ISO-POLY-3	P=0.280N	P=0.497N	P=0.055N	P=0.350N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Kidney				
Accumulation, Hyaline Droplet				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/46.60	1/46.98	0/44.45	0/47.99
POLY-3 PERCENT (g)	2.2%	2.1%	0%	0%
TERMINAL (d)	0/41 (0%)	0/38 (0%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	701	673	---	---
STATISTICAL TESTS				
POLY 3	P=0.238N	P=0.759N	P=0.509N	P=0.494N
POLY 1.5	P=0.237N	P=0.757N	P=0.504N	P=0.495N
POLY 6	P=0.238N	P=0.760	P=0.516N	P=0.493N
COCH-ARM / FISHERS	P=0.236N	P=0.753N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.255N	P=0.497N	P=0.170N	P=0.159N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Kidney Infarct				
LESION RATES				
OVERALL (a)	3/50 (6%)	2/50 (4%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	3/46.50	2/47.27	1/44.45	2/48.40
POLY-3 PERCENT (g)	6.5%	4.2%	2.3%	4.1%
TERMINAL (d)	3/41 (7%)	1/38 (3%)	1/37 (3%)	1/46 (2%)
FIRST INCIDENCE	727 (T)	578	727 (T)	611
STATISTICAL TESTS				
POLY 3	P=0.399N	P=0.492N	P=0.322N	P=0.482N
POLY 1.5	P=0.400N	P=0.492N	P=0.312N	P=0.486N
POLY 6	P=0.394N	P=0.496N	P=0.333N	P=0.475N
COCH-ARM / FISHERS	P=0.404N	P=0.500N	P=0.309N	P=0.500N
MAX-ISO-POLY-3	P=0.362N	P=0.319N	P=0.171N	P=0.312N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Kidney Nephropathy				
LESION RATES				
OVERALL (a)	41/50 (82%)	42/50 (84%)	40/50 (80%)	45/50 (90%)
POLY-3 RATE (b)	41/47.93	42/48.89	40/46.25	45/47.99
POLY-3 PERCENT (g)	85.5%	85.9%	86.5%	93.8%
TERMINAL (d)	37/41 (90%)	34/38 (90%)	35/37 (95%)	45/46 (98%)
FIRST INCIDENCE	566	509	558	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.101	P=0.597	P=0.570	P=0.144
POLY 1.5	P=0.147	P=0.594	P=0.570N	P=0.188
POLY 6	P=0.059	P=0.587	P=0.445	P=0.098
COCH-ARM / FISHERS	P=0.181	P=0.500	P=0.500N	P=0.194
MAX-ISO-POLY-3	P=0.144	P=0.477	P=0.443	P=0.077

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Kidney: Papilla Necrosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/46.50	2/46.78	0/44.45	1/47.99
POLY-3 PERCENT (g)	2.2%	4.3%	0%	2.1%
TERMINAL (d)	1/41 (2%)	2/38 (5%)	0/37 (0%)	1/46 (2%)
FIRST INCIDENCE	727 (T)	727 (T)	---	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.498N	P=0.502	P=0.509N	P=0.753N
POLY 1.5	P=0.497N	P=0.504	P=0.504N	P=0.755N
POLY 6	P=0.498N	P=0.497	P=0.515N	P=0.751N
COCH-ARM / FISHERS	P=0.500N	P=0.500	P=0.500N	P=0.753N
MAX-ISO-POLY-3	P=0.388N	P=0.283	P=0.170N	P=0.490N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Kidney: Pelvis Inflammation				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	2/46.50	1/46.78	2/44.45	0/47.99
POLY-3 PERCENT (g)	4.3%	2.1%	4.5%	0%
TERMINAL (d)	2/41 (5%)	1/38 (3%)	2/37 (5%)	0/46 (0%)
FIRST INCIDENCE	727 (T)	727 (T)	727 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.194N	P=0.498N	P=0.678	P=0.230N
POLY 1.5	P=0.196N	P=0.496N	P=0.687	P=0.232N
POLY 6	P=0.190N	P=0.503N	P=0.666	P=0.228N
COCH-ARM / FISHERS	P=0.200N	P=0.500N	P=0.691N	P=0.247N
MAX-ISO-POLY-3	P=0.159N	P=0.279N	P=0.481	P=0.076N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Kidney: Pelvis, Transitional Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/46.50	0/46.78	2/44.57	1/48.40
POLY-3 PERCENT (g)	2.2%	0%	4.5%	2.1%
TERMINAL (d)	1/41 (2%)	0/38 (0%)	1/37 (3%)	0/46 (0%)
FIRST INCIDENCE	727 (T)	---	698	611
STATISTICAL TESTS				
POLY 3	P=0.518	P=0.499N	P=0.485	P=0.751N
POLY 1.5	P=0.511	P=0.498N	P=0.494	P=0.754N
POLY 6	P=0.528	P=0.502N	P=0.475	P=0.748N
COCH-ARM / FISHERS	P=0.500	P=0.500N	P=0.500	P=0.753N
MAX-ISO-POLY-3	P=0.385	P=0.159N	P=0.272	P=0.488N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Liver				
Angiectasis				
LESION RATES				
OVERALL (a)	5/50 (10%)	5/50 (10%)	3/50 (6%)	5/50 (10%)
POLY-3 RATE (b)	5/46.50	5/46.78	3/44.45	5/47.99
POLY-3 PERCENT (g)	10.8%	10.7%	6.8%	10.4%
TERMINAL (d)	5/41 (12%)	5/38 (13%)	3/37 (8%)	5/46 (11%)
FIRST INCIDENCE	727 (T)	727 (T)	727 (T)	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.521N	P=0.626N	P=0.381N	P=0.610N
POLY 1.5	P=0.524N	P=0.622N	P=0.367N	P=0.614N
POLY 6	P=0.514N	P=0.625	P=0.399N	P=0.604N
COCH-ARM / FISHERS	P=0.533N	P=0.630N	P=0.357N	P=0.630N
MAX-ISO-POLY-3	P=0.577N	P=0.495N	P=0.256N	P=0.478N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Liver				
Basophilic Focus				
LESION RATES				
OVERALL (a)	45/50 (90%)	46/50 (92%)	43/50 (86%)	45/50 (90%)
POLY-3 RATE (b)	45/47.99	46/48.44	43/46.39	45/48.40
POLY-3 PERCENT (g)	93.8%	95%	92.7%	93%
TERMINAL (d)	40/41 (98%)	38/38 (100%)	37/37 (100%)	44/46 (96%)
FIRST INCIDENCE	566	617	558	611
STATISTICAL TESTS				
POLY 3	P=0.463N	P=0.584	P=0.594N	P=0.609N
POLY 1.5	P=0.432N	P=0.603	P=0.439N	P=0.573N
POLY 6	P=0.503N	P=0.537	P=0.633	P=0.655N
COCH-ARM / FISHERS	P=0.484N	P=0.500	P=0.380N	P=0.630N
MAX-ISO-POLY-3	P=0.570N	P=0.386	P=0.404N	P=0.431N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Liver				
Clear Cell Focus				
LESION RATES				
OVERALL (a)	9/50 (18%)	5/50 (10%)	9/50 (18%)	6/50 (12%)
POLY-3 RATE (b)	9/46.50	5/46.78	9/44.45	6/48.51
POLY-3 PERCENT (g)	19.4%	10.7%	20.3%	12.4%
TERMINAL (d)	9/41 (22%)	5/38 (13%)	9/37 (24%)	5/46 (11%)
FIRST INCIDENCE	727 (T)	727 (T)	727 (T)	572
STATISTICAL TESTS				
POLY 3	P=0.323N	P=0.189N	P=0.562	P=0.258N
POLY 1.5	P=0.334N	P=0.186N	P=0.585	P=0.266N
POLY 6	P=0.305N	P=0.196N	P=0.533	P=0.247N
COCH-ARM / FISHERS	P=0.354N	P=0.194N	P=0.602N	P=0.288N
MAX-ISO-POLY-3	P=0.285N	P=0.122N	P=0.458	P=0.181N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Liver				
Degeneration Cystic				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/46.50	1/46.78	1/44.45	0/47.99
POLY-3 PERCENT (g)	0%	2.1%	2.3%	0%
TERMINAL (d)	0/41 (0%)	1/38 (3%)	1/37 (3%)	0/46 (0%)
FIRST INCIDENCE	---	727 (T)	727 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.587N	P=0.501	P=0.491	(e)
POLY 1.5	P=0.588N	P=0.502	P=0.496	(e)
POLY 6	P=0.585N	P=0.498	P=0.485	(e)
COCH-ARM / FISHERS	P=0.595N	P=0.500	P=0.500	(e)
MAX-ISO-POLY-3	P=0.403N	P=0.160	P=0.158	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Liver				
Eosinophilic Focus				
LESION RATES				
OVERALL (a)	23/50 (46%)	31/50 (62%)	30/50 (60%)	29/50 (58%)
POLY-3 RATE (b)	23/46.50	31/47.30	30/45.96	29/47.99
POLY-3 PERCENT (g)	49.5%	65.5%	65.3%	60.4%
TERMINAL (d)	23/41 (56%)	28/38 (74%)	25/37 (68%)	29/46 (63%)
FIRST INCIDENCE	727 (T)	666	568	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.253	P=0.081	P=0.087	P=0.191
POLY 1.5	P=0.245	P=0.086	P=0.102	P=0.186
POLY 6	P=0.273	P=0.071	P=0.076	P=0.203
COCH-ARM / FISHERS	P=0.213	P=0.080	P=0.115	P=0.158
MAX-ISO-POLY-3	P=0.121	P=0.054	P=0.058	P=0.143

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Liver				
Fatty Change Diffuse				
LESION RATES				
OVERALL (a)	3/50 (6%)	4/50 (8%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	3/47.13	4/47.69	3/45.21	1/48.67
POLY-3 PERCENT (g)	6.4%	8.4%	6.6%	2.1%
TERMINAL (d)	1/41 (2%)	0/38 (0%)	1/37 (3%)	0/46 (0%)
FIRST INCIDENCE	566	578	572	498
STATISTICAL TESTS				
POLY 3	P=0.178N	P=0.506	P=0.643	P=0.294N
POLY 1.5	P=0.179N	P=0.508	P=0.654	P=0.296N
POLY 6	P=0.175N	P=0.502	P=0.630	P=0.292N
COCH-ARM / FISHERS	P=0.186N	P=0.500	P=0.661N	P=0.309N
MAX-ISO-POLY-3	P=0.218N	P=0.354	P=0.478	P=0.150N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Liver				
Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	3/50 (6%)	3/50 (6%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	3/47.15	3/47.62	2/45.15	0/47.99
POLY-3 PERCENT (g)	6.4%	6.3%	4.4%	0%
TERMINAL (d)	2/41 (5%)	1/38 (3%)	1/37 (3%)	0/46 (0%)
FIRST INCIDENCE	512	509	490	---
STATISTICAL TESTS				
POLY 3	P=0.070N	P=0.657N	P=0.520N	P=0.116N
POLY 1.5	P=0.070N	P=0.655N	P=0.508N	P=0.116N
POLY 6	P=0.069N	P=0.662	P=0.533N	P=0.115N
COCH-ARM / FISHERS	P=0.072N	P=0.661N	P=0.500N	P=0.121N
MAX-ISO-POLY-3	P=0.098N	P=0.494N	P=0.344N	P=0.038N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Liver				
Hepatodiaphragmatic Nodule				
LESION RATES				
OVERALL (a)	4/50 (8%)	5/50 (10%)	5/50 (10%)	11/50 (22%)
POLY-3 RATE (b)	4/46.50	5/47.04	5/45.26	11/47.99
POLY-3 PERCENT (g)	8.6%	10.6%	11.1%	22.9%
TERMINAL (d)	4/41 (10%)	3/38 (8%)	4/37 (11%)	11/46 (24%)
FIRST INCIDENCE	727 (T)	666	422	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.021*	P=0.507	P=0.483	P=0.051
POLY 1.5	P=0.021*	P=0.510	P=0.495	P=0.050*
POLY 6	P=0.022*	P=0.501	P=0.467	P=0.052
COCH-ARM / FISHERS	P=0.020*	P=0.500	P=0.500	P=0.045*
MAX-ISO-POLY-3	P=0.031*	P=0.370	P=0.349	P=0.029*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Liver				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	41/50 (82%)	45/50 (90%)	43/50 (86%)	47/50 (94%)
POLY-3 RATE (b)	41/47.68	45/48.85	43/46.94	47/48.91
POLY-3 PERCENT (g)	86%	92.1%	91.6%	96.1%
TERMINAL (d)	37/41 (90%)	37/38 (97%)	37/37 (100%)	45/46 (98%)
FIRST INCIDENCE	566	509	490	572
STATISTICAL TESTS				
POLY 3	P=0.052	P=0.249	P=0.278	P=0.068
POLY 1.5	P=0.068	P=0.254	P=0.360	P=0.073
POLY 6	P=0.040*	P=0.229	P=0.180	P=0.067
COCH-ARM / FISHERS	P=0.071	P=0.194	P=0.393	P=0.061
MAX-ISO-POLY-3	P=0.039*	P=0.155	P=0.174	P=0.032*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Liver				
Mixed Cell Focus				
LESION RATES				
OVERALL (a)	4/50 (8%)	8/50 (16%)	7/50 (14%)	13/50 (26%)
POLY-3 RATE (b)	4/46.50	8/47.35	7/44.70	13/47.99
POLY-3 PERCENT (g)	8.6%	16.9%	15.7%	27.1%
TERMINAL (d)	4/41 (10%)	6/38 (16%)	6/37 (16%)	13/46 (28%)
FIRST INCIDENCE	727 (T)	617	662	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.014*	P=0.186	P=0.238	P=0.017*
POLY 1.5	P=0.014*	P=0.187	P=0.252	P=0.017*
POLY 6	P=0.015*	P=0.183	P=0.224	P=0.018*
COCH-ARM / FISHERS	P=0.013*	P=0.178	P=0.262	P=0.016*
MAX-ISO-POLY-3	P=0.013*	P=0.116	P=0.156	P=0.009**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Liver				
Necrosis				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	2/46.85	1/46.78	3/45.55	1/48.40
POLY-3 PERCENT (g)	4.3%	2.1%	6.6%	2.1%
TERMINAL (d)	0/41 (0%)	1/38 (3%)	1/37 (3%)	0/46 (0%)
FIRST INCIDENCE	659	727 (T)	547	610
STATISTICAL TESTS				
POLY 3	P=0.460N	P=0.501N	P=0.487	P=0.489N
POLY 1.5	P=0.464N	P=0.497N	P=0.496	P=0.491N
POLY 6	P=0.452N	P=0.508N	P=0.476	P=0.486N
COCH-ARM / FISHERS	P=0.474N	P=0.500N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.456N	P=0.281N	P=0.315	P=0.274N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 12:12:35
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
<hr/>				
Liver Pigmentation Hemosiderin				
<hr/>				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.50	0/46.78	0/44.45	0/47.99
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/41 (0%)	0/38 (0%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Liver: Bile Duct Cyst				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/46.50	0/46.78	0/44.45	3/47.99
POLY-3 PERCENT (g)	0%	0%	0%	6.3%
TERMINAL (d)	0/41 (0%)	0/38 (0%)	0/37 (0%)	3/46 (7%)
FIRST INCIDENCE	---	---	---	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.011*	(e)	(e)	P=0.125
POLY 1.5	P=0.011*	(e)	(e)	P=0.124
POLY 6	P=0.011*	(e)	(e)	P=0.126
COCH-ARM / FISHERS	P=0.012*	(e)	(e)	P=0.121
MAX-ISO-POLY-3	P=0.012*	(e)	(e)	P=0.043*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Liver: Bile Duct Hyperplasia				
LESION RATES				
OVERALL (a)	12/50 (24%)	19/50 (38%)	20/50 (40%)	20/50 (40%)
POLY-3 RATE (b)	12/46.85	19/47.26	20/45.22	20/48.92
POLY-3 PERCENT (g)	25.6%	40.2%	44.2%	40.9%
TERMINAL (d)	10/41 (24%)	17/38 (45%)	17/37 (46%)	18/46 (39%)
FIRST INCIDENCE	659	652	558	572
STATISTICAL TESTS				
POLY 3	P=0.109	P=0.097	P=0.046*	P=0.084
POLY 1.5	P=0.101	P=0.102	P=0.056	P=0.079
POLY 6	P=0.121	P=0.088	P=0.036*	P=0.092
COCH-ARM / FISHERS	P=0.085	P=0.097	P=0.066	P=0.066
MAX-ISO-POLY-3	P=0.069	P=0.065	P=0.030*	P=0.059

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Lung Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	5/50 (10%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	0/46.50	5/47.00	3/44.97	2/47.99
POLY-3 PERCENT (g)	0%	10.6%	6.7%	4.2%
TERMINAL (d)	0/41 (0%)	3/38 (8%)	1/37 (3%)	2/46 (4%)
FIRST INCIDENCE	---	679	653	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.478	P=0.032*	P=0.113	P=0.244
POLY 1.5	P=0.474	P=0.032*	P=0.116	P=0.243
POLY 6	P=0.485	P=0.030*	P=0.109	P=0.247
COCH-ARM / FISHERS	P=0.456	P=0.028*	P=0.121	P=0.247
MAX-ISO-POLY-3	P=0.097	P=0.010**	P=0.038*	P=0.083

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Lung: Alveolar Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	15/50 (30%)	13/50 (26%)	9/50 (18%)	15/50 (30%)
POLY-3 RATE (b)	15/46.50	13/46.96	9/45.09	15/47.99
POLY-3 PERCENT (g)	32.3%	27.7%	20%	31.3%
TERMINAL (d)	15/41 (37%)	12/38 (32%)	7/37 (19%)	15/46 (33%)
FIRST INCIDENCE	727 (T)	679	617	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.519N	P=0.399N	P=0.134N	P=0.546N
POLY 1.5	P=0.525N	P=0.394N	P=0.124N	P=0.554N
POLY 6	P=0.506N	P=0.411N	P=0.145N	P=0.533N
COCH-ARM / FISHERS	P=0.543	P=0.412N	P=0.121N	P=0.586N
MAX-ISO-POLY-3	P=0.393N	P=0.316N	P=0.092N	P=0.458N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Lung: Alveolar Epithelium Metaplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/46.50	0/46.78	0/44.45	2/47.99
POLY-3 PERCENT (g)	0%	0%	0%	4.2%
TERMINAL (d)	0/41 (0%)	0/38 (0%)	0/37 (0%)	2/46 (4%)
FIRST INCIDENCE	---	---	---	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.046*	(e)	(e)	P=0.244
POLY 1.5	P=0.046*	(e)	(e)	P=0.243
POLY 6	P=0.047*	(e)	(e)	P=0.247
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.038*	(e)	(e)	P=0.083

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Lung: Alveolus Infiltration Cellular Histiocyte				
LESION RATES				
OVERALL (a)	16/50 (32%)	12/50 (24%)	11/50 (22%)	13/50 (26%)
POLY-3 RATE (b)	16/46.60	12/47.31	11/44.45	13/47.99
POLY-3 PERCENT (g)	34.3%	25.4%	24.8%	27.1%
TERMINAL (d)	15/41 (37%)	10/38 (26%)	11/37 (30%)	13/46 (28%)
FIRST INCIDENCE	701	617	727 (T)	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.311N	P=0.234N	P=0.219N	P=0.295N
POLY 1.5	P=0.316N	P=0.233N	P=0.198N	P=0.301N
POLY 6	P=0.302N	P=0.240N	P=0.249N	P=0.285N
COCH-ARM / FISHERS	P=0.331N	P=0.252N	P=0.184N	P=0.330N
MAX-ISO-POLY-3	P=0.287N	P=0.173N	P=0.163N	P=0.226N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Lymph Node, Mesenteric Atrophy				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/46.50	1/46.96	2/44.84	0/47.99
POLY-3 PERCENT (g)	0%	2.1%	4.5%	0%
TERMINAL (d)	0/41 (0%)	0/38 (0%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	---	679	653	---
STATISTICAL TESTS				
POLY 3	P=0.604N	P=0.502	P=0.229	(e)
POLY 1.5	P=0.606N	P=0.503	P=0.234	(e)
POLY 6	P=0.599N	P=0.500	P=0.224	(e)
COCH-ARM / FISHERS	P=0.616N	P=0.500	P=0.247	(e)
MAX-ISO-POLY-3	P=0.329N	P=0.161	P=0.076	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 12:12:35
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Mammary Gland Fibrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.50	0/46.78	0/44.45	0/47.99
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/41 (0%)	0/38 (0%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Mammary Gland Hyperplasia				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/46.50	1/47.01	0/44.45	0/47.99
POLY-3 PERCENT (g)	4.3%	2.1%	0%	0%
TERMINAL (d)	2/41 (5%)	0/38 (0%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	727 (T)	666	---	---
STATISTICAL TESTS				
POLY 3	P=0.101N	P=0.496N	P=0.247N	P=0.230N
POLY 1.5	P=0.101N	P=0.495N	P=0.242N	P=0.232N
POLY 6	P=0.101N	P=0.500N	P=0.254N	P=0.228N
COCH-ARM / FISHERS	P=0.101N	P=0.500N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.078N	P=0.279N	P=0.086N	P=0.076N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Mammary Gland Inflammation				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/46.60	0/46.78	0/44.45	0/47.99
POLY-3 PERCENT (g)	4.3%	0%	0%	0%
TERMINAL (d)	1/41 (2%)	0/38 (0%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	701	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.116N	P=0.236N	P=0.248N	P=0.231N
POLY 1.5	P=0.116N	P=0.235N	P=0.242N	P=0.232N
POLY 6	P=0.115N	P=0.240N	P=0.255N	P=0.229N
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.033N*	P=0.076N	P=0.086N	P=0.076N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Mesentery: Fat Necrosis				
LESION RATES				
OVERALL (a)	11/11 (100%)	6/7 (86%)	11/11 (100%)	4/4 (100%)
POLY-3 RATE (b)	11/11.00	6/6.79	11/11.00	4/4.00
POLY-3 PERCENT (g)	100%	88.3%	100%	100%
TERMINAL (d)	11/11 (100%)	2/2 (100%)	10/10 (100%)	3/3 (100%)
FIRST INCIDENCE	727 (T)	645	547	498
STATISTICAL TESTS				
POLY 3	P=0.762	P=0.510N	(e)	(e)
POLY 1.5	P=0.727	P=0.456N	(e)	(e)
POLY 6	P=0.835	P=0.636N	(e)	(e)
COCH-ARM / FISHERS	P=0.694	P=0.389N	(e)	(e)
MAX-ISO-POLY-3	P=0.514	P=0.127N	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Nose				
Foreign Body				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.50	2/46.78	0/44.45	0/47.99
POLY-3 PERCENT (g)	0%	4.3%	0%	0%
TERMINAL (d)	0/41 (0%)	2/38 (5%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	---	727 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.401N	P=0.239	(e)	(e)
POLY 1.5	P=0.400N	P=0.240	(e)	(e)
POLY 6	P=0.403N	P=0.235	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.252N	P=0.077	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Nose Inflammation				
LESION RATES				
OVERALL (a)	8/50 (16%)	11/50 (22%)	6/50 (12%)	9/50 (18%)
POLY-3 RATE (b)	8/47.09	11/47.01	6/44.73	9/49.08
POLY-3 PERCENT (g)	17%	23.4%	13.4%	18.3%
TERMINAL (d)	5/41 (12%)	9/38 (24%)	5/37 (14%)	7/46 (15%)
FIRST INCIDENCE	641	676	653	498
STATISTICAL TESTS				
POLY 3	P=0.494N	P=0.303	P=0.427N	P=0.537
POLY 1.5	P=0.502N	P=0.312	P=0.405N	P=0.529
POLY 6	P=0.483N	P=0.286	P=0.455N	P=0.546
COCH-ARM / FISHERS	P=0.525N	P=0.306	P=0.387N	P=0.500
MAX-ISO-POLY-3	P=0.477N	P=0.221	P=0.322N	P=0.431

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Nose: Olfactory Epithelium Metaplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.50	0/46.78	0/44.45	0/47.99
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/41 (0%)	0/38 (0%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Nose: Respiratory Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/46.50	0/46.78	0/44.45	1/47.99
POLY-3 PERCENT (g)	0%	0%	0%	2.1%
TERMINAL (d)	0/41 (0%)	0/38 (0%)	0/37 (0%)	1/46 (2%)
FIRST INCIDENCE	---	---	---	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.203	(e)	(e)	P=0.506
POLY 1.5	P=0.202	(e)	(e)	P=0.505
POLY 6	P=0.205	(e)	(e)	P=0.508
COCH-ARM / FISHERS	P=0.198	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.135	(e)	(e)	P=0.167

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Ovary Atrophy				
LESION RATES				
OVERALL (a)	4/50 (8%)	2/50 (4%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	4/46.74	2/47.19	3/44.97	2/47.99
POLY-3 PERCENT (g)	8.6%	4.2%	6.7%	4.2%
TERMINAL (d)	2/41 (5%)	0/38 (0%)	2/37 (5%)	2/46 (4%)
FIRST INCIDENCE	691	666	571	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.312N	P=0.333N	P=0.521N	P=0.325N
POLY 1.5	P=0.314N	P=0.331N	P=0.509N	P=0.327N
POLY 6	P=0.309N	P=0.338N	P=0.537N	P=0.323N
COCH-ARM / FISHERS	P=0.319N	P=0.339N	P=0.500N	P=0.339N
MAX-ISO-POLY-3	P=0.298N	P=0.199N	P=0.369N	P=0.195N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Ovary Cyst				
LESION RATES				
OVERALL (a)	3/50 (6%)	6/50 (12%)	6/50 (12%)	4/50 (8%)
POLY-3 RATE (b)	3/46.50	6/46.78	6/44.70	4/48.40
POLY-3 PERCENT (g)	6.5%	12.8%	13.4%	8.3%
TERMINAL (d)	3/41 (7%)	6/38 (16%)	5/37 (14%)	3/46 (7%)
FIRST INCIDENCE	727 (T)	727 (T)	661	611
STATISTICAL TESTS				
POLY 3	P=0.549	P=0.245	P=0.223	P=0.522
POLY 1.5	P=0.539	P=0.249	P=0.234	P=0.516
POLY 6	P=0.564	P=0.237	P=0.210	P=0.530
COCH-ARM / FISHERS	P=0.516	P=0.243	P=0.243	P=0.500
MAX-ISO-POLY-3	P=0.347	P=0.149	P=0.137	P=0.370

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Pancreas Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.50	1/46.78	0/44.45	0/47.99
POLY-3 PERCENT (g)	0%	2.1%	0%	0%
TERMINAL (d)	0/41 (0%)	1/38 (3%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	---	727 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.568N	P=0.501	(e)	(e)
POLY 1.5	P=0.566N	P=0.502	(e)	(e)
POLY 6	P=0.570N	P=0.498	(e)	(e)
COCH-ARM / FISHERS	P=0.567N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.389N	P=0.160	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Pancreas: Acinus Atrophy				
LESION RATES				
OVERALL (a)	16/50 (32%)	11/50 (22%)	17/50 (34%)	23/50 (46%)
POLY-3 RATE (b)	16/46.75	11/46.88	17/45.52	23/48.92
POLY-3 PERCENT (g)	34.2%	23.5%	37.4%	47%
TERMINAL (d)	15/41 (37%)	10/38 (26%)	15/37 (41%)	21/46 (46%)
FIRST INCIDENCE	659	701	558	572
STATISTICAL TESTS				
POLY 3	P=0.036*	P=0.178N	P=0.462	P=0.143
POLY 1.5	P=0.033*	P=0.173N	P=0.487	P=0.133
POLY 6	P=0.042*	P=0.190N	P=0.430	P=0.157
COCH-ARM / FISHERS	P=0.029*	P=0.184N	P=0.500	P=0.109
MAX-ISO-POLY-3	P=0.049*	P=0.125N	P=0.377	P=0.105

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Pancreas: Acinus Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/46.50	0/46.78	0/44.45	0/47.99
POLY-3 PERCENT (g)	2.2%	0%	0%	0%
TERMINAL (d)	1/41 (2%)	0/38 (0%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	727 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.312N	P=0.499N	P=0.509N	P=0.494N
POLY 1.5	P=0.311N	P=0.498N	P=0.504N	P=0.495N
POLY 6	P=0.312N	P=0.502N	P=0.515N	P=0.492N
COCH-ARM / FISHERS	P=0.306N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.124N	P=0.159N	P=0.170N	P=0.159N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Styrene-acrylonitrile trimer

CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010

Time Report Requested: 12:12:35

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
<hr/>				
Parathyroid Gland Hyperplasia				
<hr/>				
LESION RATES				
OVERALL (a)	0/48 (0%)	0/49 (0%)	0/49 (0%)	0/46 (0%)
POLY-3 RATE (b)	0/45.15	0/45.78	0/43.45	0/43.99
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/40 (0%)	0/37 (0%)	0/36 (0%)	0/42 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Pituitary Gland Cyst				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	3/50 (6%)	4/50 (8%)
POLY-3 RATE (b)	1/46.50	2/47.02	3/44.45	4/47.99
POLY-3 PERCENT (g)	2.2%	4.3%	6.8%	8.3%
TERMINAL (d)	1/41 (2%)	0/38 (0%)	3/37 (8%)	4/46 (9%)
FIRST INCIDENCE	727 (T)	673	727 (T)	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.122	P=0.504	P=0.289	P=0.189
POLY 1.5	P=0.120	P=0.505	P=0.298	P=0.187
POLY 6	P=0.125	P=0.501	P=0.279	P=0.192
COCH-ARM / FISHERS	P=0.114	P=0.500	P=0.309	P=0.181
MAX-ISO-POLY-3	P=0.149	P=0.285	P=0.148	P=0.093

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Pituitary Gland: Pars Distalis Hyperplasia				
LESION RATES				
OVERALL (a)	24/50 (48%)	21/50 (42%)	21/50 (42%)	24/50 (48%)
POLY-3 RATE (b)	24/47.82	21/47.66	21/44.95	24/48.40
POLY-3 PERCENT (g)	50.2%	44.1%	46.7%	49.6%
TERMINAL (d)	20/41 (49%)	19/38 (50%)	19/37 (51%)	23/46 (50%)
FIRST INCIDENCE	512	578	661	611
STATISTICAL TESTS				
POLY 3	P=0.493	P=0.346N	P=0.450N	P=0.557N
POLY 1.5	P=0.496	P=0.331N	P=0.393N	P=0.553N
POLY 6	P=0.498	P=0.378N	P=0.520N	P=0.560N
COCH-ARM / FISHERS	P=0.481	P=0.344N	P=0.344N	P=0.579N
MAX-ISO-POLY-3	P=0.580N	P=0.275N	P=0.371N	P=0.475N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 12:12:35
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Skin				
Cyst Epithelial Inclusion				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.50	0/46.78	0/44.45	0/47.99
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/41 (0%)	0/38 (0%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Skin				
Ulcer				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.50	0/46.78	0/44.45	0/47.99
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/41 (0%)	0/38 (0%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Spleen				
Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	1/50 (2%)	8/50 (16%)	7/50 (14%)	3/50 (6%)
POLY-3 RATE (b)	1/47.15	8/46.98	7/45.21	3/47.99
POLY-3 PERCENT (g)	2.1%	17%	15.5%	6.3%
TERMINAL (d)	0/41 (0%)	7/38 (18%)	5/37 (14%)	3/46 (7%)
FIRST INCIDENCE	512	673	572	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.534	P=0.015*	P=0.026*	P=0.312
POLY 1.5	P=0.533	P=0.016*	P=0.028*	P=0.312
POLY 6	P=0.539	P=0.014*	P=0.023*	P=0.313
COCH-ARM / FISHERS	P=0.516	P=0.015*	P=0.030*	P=0.309
MAX-ISO-POLY-3	P=0.062	P=0.006**	P=0.011*	P=0.161

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Spleen Hyperplasia				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/46.50	1/46.78	1/44.45	1/47.99
POLY-3 PERCENT (g)	4.3%	2.1%	2.3%	2.1%
TERMINAL (d)	2/41 (5%)	1/38 (3%)	1/37 (3%)	1/46 (2%)
FIRST INCIDENCE	727 (T)	727 (T)	727 (T)	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.406N	P=0.498N	P=0.516N	P=0.489N
POLY 1.5	P=0.407N	P=0.496N	P=0.507N	P=0.491N
POLY 6	P=0.403N	P=0.503N	P=0.526N	P=0.486N
COCH-ARM / FISHERS	P=0.409N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.413N	P=0.279N	P=0.298N	P=0.274N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Spleen				
Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.50	2/46.78	0/44.45	0/47.99
POLY-3 PERCENT (g)	0%	4.3%	0%	0%
TERMINAL (d)	0/41 (0%)	2/38 (5%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	---	727 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.401N	P=0.239	(e)	(e)
POLY 1.5	P=0.400N	P=0.240	(e)	(e)
POLY 6	P=0.403N	P=0.235	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.252N	P=0.077	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Spleen				
Pigmentation Hemosiderin				
LESION RATES				
OVERALL (a)	43/50 (86%)	47/50 (94%)	42/50 (84%)	38/50 (76%)
POLY-3 RATE (b)	43/47.68	47/49.50	42/47.75	38/48.51
POLY-3 PERCENT (g)	90.2%	94.9%	88%	78.3%
TERMINAL (d)	39/41 (95%)	36/38 (95%)	34/37 (92%)	37/46 (80%)
FIRST INCIDENCE	566	509	422	572
STATISTICAL TESTS				
POLY 3	P=0.013N*	P=0.294	P=0.491N	P=0.085N
POLY 1.5	P=0.015N*	P=0.259	P=0.452N	P=0.094N
POLY 6	P=0.010N**	P=0.353	P=0.552N	P=0.074N
COCH-ARM / FISHERS	P=0.035N*	P=0.159	P=0.500N	P=0.154N
MAX-ISO-POLY-3	P=0.018N*	P=0.175	P=0.351N	P=0.049N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Spleen: Lymphoid Follicle Atrophy				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	0/46.50	1/46.81	3/45.36	1/48.40
POLY-3 PERCENT (g)	0%	2.1%	6.6%	2.1%
TERMINAL (d)	0/41 (0%)	0/38 (0%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	---	718	571	611
STATISTICAL TESTS				
POLY 3	P=0.375	P=0.501	P=0.114	P=0.508
POLY 1.5	P=0.367	P=0.503	P=0.117	P=0.506
POLY 6	P=0.386	P=0.499	P=0.111	P=0.511
COCH-ARM / FISHERS	P=0.351	P=0.500	P=0.121	P=0.500
MAX-ISO-POLY-3	P=0.161	P=0.160	P=0.038*	P=0.169

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Stomach, Forestomach Dysplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.50	0/46.78	0/44.45	0/47.99
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/41 (0%)	0/38 (0%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Stomach, Forestomach Inflammation				
LESION RATES				
OVERALL (a)	3/50 (6%)	2/50 (4%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	3/46.74	2/47.47	3/45.91	1/47.99
POLY-3 PERCENT (g)	6.4%	4.2%	6.5%	2.1%
TERMINAL (d)	1/41 (2%)	0/38 (0%)	0/37 (0%)	1/46 (2%)
FIRST INCIDENCE	691	578	490	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.257N	P=0.493N	P=0.654	P=0.296N
POLY 1.5	P=0.258N	P=0.492N	P=0.660	P=0.298N
POLY 6	P=0.253N	P=0.497N	P=0.645	P=0.294N
COCH-ARM / FISHERS	P=0.263N	P=0.500N	P=0.661N	P=0.309N
MAX-ISO-POLY-3	P=0.266N	P=0.319N	P=0.490	P=0.151N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Stomach, Forestomach Ulcer				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	2/46.74	1/46.97	3/45.91	0/47.99
POLY-3 PERCENT (g)	4.3%	2.1%	6.5%	0%
TERMINAL (d)	0/41 (0%)	0/38 (0%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	691	676	490	---
STATISTICAL TESTS				
POLY 3	P=0.233N	P=0.498N	P=0.492	P=0.231N
POLY 1.5	P=0.235N	P=0.496N	P=0.498	P=0.232N
POLY 6	P=0.229N	P=0.504N	P=0.483	P=0.230N
COCH-ARM / FISHERS	P=0.242N	P=0.500N	P=0.500	P=0.247N
MAX-ISO-POLY-3	P=0.190N	P=0.280N	P=0.318	P=0.076N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Stomach, Forestomach: Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	3/50 (6%)	4/50 (8%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	3/46.74	4/47.77	3/45.91	0/47.99
POLY-3 PERCENT (g)	6.4%	8.4%	6.5%	0%
TERMINAL (d)	1/41 (2%)	1/38 (3%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	691	578	490	---
STATISTICAL TESTS				
POLY 3	P=0.072N	P=0.512	P=0.654	P=0.114N
POLY 1.5	P=0.073N	P=0.512	P=0.660	P=0.115N
POLY 6	P=0.071N	P=0.509	P=0.645	P=0.113N
COCH-ARM / FISHERS	P=0.077N	P=0.500	P=0.661N	P=0.121N
MAX-ISO-POLY-3	P=0.087N	P=0.360	P=0.490	P=0.038N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Stomach, Glandular Inflammation				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/46.50	0/46.78	0/44.45	0/47.99
POLY-3 PERCENT (g)	2.2%	0%	0%	0%
TERMINAL (d)	1/41 (2%)	0/38 (0%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	727 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.312N	P=0.499N	P=0.509N	P=0.494N
POLY 1.5	P=0.311N	P=0.498N	P=0.504N	P=0.495N
POLY 6	P=0.312N	P=0.502N	P=0.515N	P=0.492N
COCH-ARM / FISHERS	P=0.306N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.124N	P=0.159N	P=0.170N	P=0.159N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Stomach, Glandular Ulcer				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.50	1/47.06	0/44.45	0/47.99
POLY-3 PERCENT (g)	0%	2.1%	0%	0%
TERMINAL (d)	0/41 (0%)	0/38 (0%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	---	652	---	---
STATISTICAL TESTS				
POLY 3	P=0.567N	P=0.502	(e)	(e)
POLY 1.5	P=0.566N	P=0.503	(e)	(e)
POLY 6	P=0.569N	P=0.500	(e)	(e)
COCH-ARM / FISHERS	P=0.567N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.390N	P=0.162	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Thymus Atrophy				
LESION RATES				
OVERALL (a)	46/50 (92%)	46/50 (92%)	50/50 (100%)	49/50 (98%)
POLY-3 RATE (b)	46/49.00	46/49.46	50/50.00	49/49.32
POLY-3 PERCENT (g)	93.9%	93%	100%	99.4%
TERMINAL (d)	38/41 (93%)	37/38 (97%)	37/37 (100%)	46/46 (100%)
FIRST INCIDENCE	512	509	422	572
STATISTICAL TESTS				
POLY 3	P=0.043*	P=0.595N	P=0.115	P=0.164
POLY 1.5	P=0.060	P=0.561N	P=0.111	P=0.203
POLY 6	P=0.031*	P=0.661N	P=0.116	P=0.132
COCH-ARM / FISHERS	P=0.060	P=0.643N	P=0.059	P=0.181
MAX-ISO-POLY-3	P=0.058	P=0.429N	P=0.038*	P=0.060

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Thyroid Gland: C-Cell Hyperplasia				
LESION RATES				
OVERALL (a)	25/50 (50%)	27/50 (54%)	26/50 (52%)	17/50 (34%)
POLY-3 RATE (b)	25/46.60	27/47.22	26/45.61	17/47.99
POLY-3 PERCENT (g)	53.7%	57.2%	57%	35.4%
TERMINAL (d)	24/41 (59%)	24/38 (63%)	23/37 (62%)	17/46 (37%)
FIRST INCIDENCE	701	645	568	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.024N*	P=0.445	P=0.454	P=0.055N
POLY 1.5	P=0.028N*	P=0.453	P=0.486	P=0.059N
POLY 6	P=0.019N*	P=0.425	P=0.418	P=0.049N*
COCH-ARM / FISHERS	P=0.040N*	P=0.421	P=0.500	P=0.078N
MAX-ISO-POLY-3	P=0.033N*	P=0.364	P=0.371	P=0.037N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Tooth Malformation				
LESION RATES				
OVERALL (a)	5/5 (100%)	5/5 (100%)	3/3 (100%)	1/1 (100%)
POLY-3 RATE (b)	5/5.00	5/5.00	3/3.00	1/1.00
POLY-3 PERCENT (g)	100%	100%	100%	100%
TERMINAL (d)	5/5 (100%)	5/5 (100%)	3/3 (100%)	1/1 (100%)
FIRST INCIDENCE	727 (T)	727 (T)	727 (T)	727 (T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
Time Report Requested: 12:12:35
First Dose M/F: 05/12/05 / 05/13/05
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Urinary Bladder Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.50	0/46.78	0/44.45	0/47.99
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/41 (0%)	0/38 (0%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Urinary Bladder: Transitional Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	12/50 (24%)
POLY-3 RATE (b)	1/46.50	0/46.78	0/44.45	12/47.99
POLY-3 PERCENT (g)	2.2%	0%	0%	25%
TERMINAL (d)	1/41 (2%)	0/38 (0%)	0/37 (0%)	12/46 (26%)
FIRST INCIDENCE	727 (T)	---	---	727 (T)
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.499N	P=0.509N	P<0.001**
POLY 1.5	P<0.001**	P=0.498N	P=0.504N	P<0.001**
POLY 6	P<0.001**	P=0.502N	P=0.515N	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500N	P=0.500N	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.159N	P=0.170N	P<0.001**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 09/23/2010
 Time Report Requested: 12:12:35
 First Dose M/F: 05/12/05 / 05/13/05
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Uterus Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	4/50 (8%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/46.50	4/46.78	1/44.45	1/47.99
POLY-3 PERCENT (g)	0%	8.6%	2.3%	2.1%
TERMINAL (d)	0/41 (0%)	4/38 (11%)	1/37 (3%)	1/46 (2%)
FIRST INCIDENCE	---	727 (T)	727 (T)	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.545N	P=0.061	P=0.491	P=0.506
POLY 1.5	P=0.546N	P=0.062	P=0.496	P=0.505
POLY 6	P=0.544N	P=0.059	P=0.485	P=0.508
COCH-ARM / FISHERS	P=0.556N	P=0.059	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.188	P=0.020*	P=0.158	P=0.167

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Uterus Metaplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	4/50 (8%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.50	4/46.78	0/44.45	0/47.99
POLY-3 PERCENT (g)	0%	8.6%	0%	0%
TERMINAL (d)	0/41 (0%)	4/38 (11%)	0/37 (0%)	0/46 (0%)
FIRST INCIDENCE	---	727 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.236N	P=0.061	(e)	(e)
POLY 1.5	P=0.236N	P=0.062	(e)	(e)
POLY 6	P=0.237N	P=0.059	(e)	(e)
COCH-ARM / FISHERS	P=0.247N	P=0.059	(e)	(e)
MAX-ISO-POLY-3	P=0.114N	P=0.020*	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 PPM	400 PPM	800 PPM	1600 PPM
Uterus: Endometrium Hyperplasia Cystic				
LESION RATES				
OVERALL (a)	2/50 (4%)	7/50 (14%)	5/50 (10%)	3/50 (6%)
POLY-3 RATE (b)	2/46.50	7/46.92	5/44.45	3/47.99
POLY-3 PERCENT (g)	4.3%	14.9%	11.3%	6.3%
TERMINAL (d)	2/41 (5%)	6/38 (16%)	5/37 (14%)	3/46 (7%)
FIRST INCIDENCE	727 (T)	691	727 (T)	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.495N	P=0.081	P=0.198	P=0.514
POLY 1.5	P=0.500N	P=0.083	P=0.209	P=0.511
POLY 6	P=0.488N	P=0.078	P=0.186	P=0.519
COCH-ARM / FISHERS	P=0.517N	P=0.080	P=0.218	P=0.500
MAX-ISO-POLY-3	P=0.224	P=0.040*	P=0.112	P=0.339

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Styrene-acrylonitrile trimer
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LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
 - (b) Number of tumor-bearing animals/Poly-3 number
 - (d) Observed incidence at terminal kill.
 - (e) Value of Statistic cannot be computed.
 - (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
 - (g) Poly-3 adjusted lifetime tumor incidence.
 - (I) Interim sacrifice
 - (T) Terminal sacrifice
 - # Tumor rates based on numbers of animals necropsied.
 - * To the right of any statistical result, indicates significance at ($P \leq 0.05$).
 - ** To the right of any statistical result, indicates significance at ($P \leq 0.01$).
 - N Indicates a negative trend for all tests
- The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

*** END OF REPORT ***