

Experiment Number: 99013-02
Test Type: 7-WEEK PERINATAL
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 10/19/2014
Time Report Requested: 15:15:11
First Dose M/F: NA / NA
Lab: BAT

C Number: C99013
Lock Date: 04/22/2003
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date: NONE

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 First Dose M/F: NA / NA
 Lab: BAT

F 344/N Rat Male
0_PPM PUPS

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1	0
	1	2	3	4	5	6	7	8	9	10	
	*TOTALS										

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10
Fatty Change		1		2	1		1		1	1	6 1.2
Hematopoietic Cell Proliferation						1	2			1	3 1.3
Hepatodiaphragmatic Nodule				X	X						2
Inflammation, Chronic Active										1	1 1.0

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10
Germinal Epith, Hypoplasia										1	1 1.0

Hematopoietic System

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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 Lab: BAT

F 344/N Rat Male
0_PPM PUPS

	DAY ON TEST											
	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	*TOTALS	
	1	2	3	4	5	6	7	8	9			
Spleen	+	+	+	+	+	+	+	+	+	+	10	
Hematopoietic Cell Proliferation	1	1	1	2	1	2	1	2	1	1	10	1.3
Thymus	+	+	+	+	+	+	+	+	+	+	10	
Integumentary System												
NONE												
Musculoskeletal System												
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	10	
Nervous System												
Brain	+	+	+	+	+	+	+	+	+	+	10	
Respiratory System												
NONE												
Special Senses System												
NONE												
Urinary System												
Kidney	+	+	+	+	+	+	+	+	+	+	10	
Nephropathy		1		1	1		1	1		1	6	1.0

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Date Report Requested: 10/19/2014
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 First Dose M/F: NA / NA
 Lab: BAT

F 344/N Rat Male
250 PPM PUPS

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10
Fatty Change	1									1	2 1.0
Hematopoietic Cell Proliferation	1	1			1				1	1	5 1.0
Hepatodiaphragmatic Nodule							X				1
Inflammation, Chronic Active		1			1	1		1		1	5 1.0

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

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Date Report Requested: 10/19/2014
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 First Dose M/F: NA / NA
 Lab: BAT

F 344/N Rat Male
250 PPM PUPS

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0	
	*TOTALS										

Musculoskeletal System

NONE

Nervous System

Brain		+		+	+	+	+	+			6
Brain, Cerebrum	+		+						+	+	4
Developmental Malformation	1		1						1	1	4 1.0

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

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 Lab: BAT

F 344/N Rat Male
500 PPM PUPS

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	
	5	5	5	5	5	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	3	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10
Hematopoietic Cell Proliferation	1	1				1	1	1	1	1	7 1.0
Inflammation, Chronic Active				1							1 1.0

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

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+ ..Tissue examined microscopically

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 Lab: BAT

F 344/N Rat Male
500 PPM PUPS

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	
	5	5	5	5	5	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	3	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

Nervous System

Brain	+	+			+	+			+	+	+	7
Brain, Cerebrum				+	+			+				3
Developmental Malformation				1	1			1				3 1.0

Respiratory System

NONE

Special Senses System

NONE

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10
Mineralization										1	1 1.0
Nephropathy			1	1	1	1	1		1	1	7 1.0

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+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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Date Report Requested: 10/19/2014
 Time Report Requested: 15:15:12
 First Dose M/F: NA / NA
 Lab: BAT

**F 344/N Rat Male
 1000 PPM PUPS**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10		
Fatty Change									1	1		2	1.0
Hematopoietic Cell Proliferation			1	1	1			1	1			5	1.0
Inflammation, Chronic Active	1											1	1.0

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

Epididymis	+	+	+	+	+	+	+	+	+	+	10		
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10		
Atrophy										1		1	1.0
Testes	+	+	+	+	+	+	+	+	+	+	10		

Hematopoietic System

Spleen	+	+	+	+	+	+	+	+	+	+	10		
Hematopoietic Cell Proliferation	1	1	1	2	1	1	1	1	1	1		10	1.1

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1-4 ..Lesion qualified as:

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Date Report Requested: 10/19/2014
 Time Report Requested: 15:15:12
 First Dose M/F: NA / NA
 Lab: BAT

F 344/N Rat Male
1000 PPM PUPS

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

Brain								+		+	+	3
Brain, Cerebrum	+	+	+	+	+	+		+				7
Developmental Malformation	1	1	1	1	1	1		1				7 1.0

Respiratory System

NONE

Special Senses System

NONE

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+		10
Nephropathy			1	1					1			3 1.0

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+ ..Tissue examined microscopically

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1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

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Experiment Number: 99013-02
 Test Type: 7-WEEK PERINATAL
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 10/19/2014
 Time Report Requested: 15:15:12
 First Dose M/F: NA / NA
 Lab: BAT

F 344/N Rat Male
2000 PPM PUPS

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10
Fatty Change						1		1			2 1.0
Hematopoietic Cell Proliferation	1	1				1					3 1.0
Inflammation, Chronic Active	1	1		1	1	1	1	1	1	1	9 1.0

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Atrophy				2				2			2 2.0
Prostate	+	+	+	+	+	+	+	+	+	+	10
Inflammation		1									1 1.0
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Atrophy	1	1	2	1	1	1	1	1	1	1	10 1.1
Testes	+	+	+	+	+	+	+	+	+	+	10
Germinal Epith, Hypoplasia	1	1	2	2	2	1	2	2	2	1	10 1.6

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 Lab: BAT

**F 344/N Rat Male
 2000 PPM PUPS**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Hematopoietic System

Spleen	+	+	+	+	+	+	+	+	+	+	10	
Hematopoietic Cell Proliferation	2	1	2	1	2	2	2	2	1	3	10	1.8
Thymus	+	+	+	+	+	+	+	+	+	+	10	

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

Brain	+	+	+	+	+	+		+	+	+	9	
Brain, Cerebrum								+			1	
Developmental Malformation								1			1	1.0

Respiratory System

NONE

Special Senses System

NONE

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10	
Nephropathy									1		1	1.0

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Date Report Requested: 10/19/2014
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 First Dose M/F: NA / NA
 Lab: BAT

F 344/N Rat Male
4000 PPM PUPS

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	1	1	1	1	1	1	1	1	1
	3	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10	
Depletion Glycogen	4										1	4.0
Fatty Change		2	3	3	2	1	3	2	2	2	9	2.2
Hematopoietic Cell Proliferation		1	1	1	1	1	1	1	1	1	9	1.0
Hepatocyte, Atrophy	3										1	3.0
Hepatodiaphragmatic Nodule			X		X						2	
Inflammation, Chronic Active				1	1			1		1	4	1.0

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

Epididymis	+	+	+	+	+	+	+	+	+	+	10	
Atrophy	3	3	3	2	3	3	3	3	3	3	10	2.9
Prostate	+	+	+	+	+	+	+	+	+	+	10	
Atrophy	1	1	1		1	1		1	1	1	8	1.0
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10	

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 Lab: BAT

**F 344/N Rat Male
 4000 PPM PUPS**

	DAY ON TEST											
	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	0	1	1	1	1	1	1	1	1	1	*TOTALS	
	3	5	5	5	5	5	5	5	5	5		
Atrophy	3	2	2	1	2	2	2	1	3	2	10	2.0
Testes	+	+	+	+	+	+	+	+	+	+	10	
Germinal Epith, Hypoplasia	2	2	2	2	2	2	3	2	2	2	10	2.1
Hematopoietic System												
Spleen	+	+	+	+	+	+	+	+	+	+	10	
Hematopoietic Cell Proliferation	1	2	2	2	2	3	2	2	3	3	10	2.2
Lymph Follic, Depletion Cellular	2				1	3	1	1	2	1	7	1.6
Thymus	+	+	+	+	+	+	+	+	+	+	10	
Atrophy	4	2	2		1	2	2	2	1	2	9	2.0
Integumentary System												
NONE												
Musculoskeletal System												
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	10	
Atrophy	2										1	2.0
Nervous System												
Brain	+	+				+					3	
Brain, Cerebrum				+	+	+		+	+	+	7	
Developmental Malformation			3	1	1		2	1	1	2	7	1.6
Respiratory System												
NONE												

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99013-02
 Test Type: 7-WEEK PERINATAL
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 10/19/2014
 Time Report Requested: 15:15:12
 First Dose M/F: NA / NA
 Lab: BAT

F 344/N Rat Male
4000 PPM PUPS

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	1	1	1	1	1	1	1	1	1	
	3	5	5	5	5	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	5	5	5	5	5	5	5	5	5	6	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

Special Senses System

NONE

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10	
Atrophy	2	1	1	1	1	1	1	1	1	1	10	1.1
Mineralization										1	1	1.0
Nephropathy										1	1	1.0

END OF MALE DATA

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99013-02
 Test Type: 7-WEEK PERINATAL
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 10/19/2014
 Time Report Requested: 15:15:12
 First Dose M/F: NA / NA
 Lab: BAT

F 344/N Rat Female
0 PPM PUPS

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	7
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10	
Hematopoietic Cell Proliferation			1	1			1				3	1.0
Hepatodiaphragmatic Nodule	X			X				X		X	4	
Inflammation, Chronic Active			1		1	1				1	4	1.0

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

Ovary	+	+	+	+	+	+	+	+	+	+	10	
Atrophy	1			1			1		1		4	1.0
Uterus	+	+	+	+	+	+	+	+	+	+	10	
Vagina	+	+	+	+	+	+	+	+	+	+	10	

Hematopoietic System

Spleen	+	+	+	+	+	+	+	+	+	+	10	
Hematopoietic Cell Proliferation	1	1	1	1	1	1	1	1	1	1	10	1.0

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99013-02
 Test Type: 7-WEEK PERINATAL
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 10/19/2014
 Time Report Requested: 15:15:12
 First Dose M/F: NA / NA
 Lab: BAT

F 344/N Rat Female
0 PPM PUPS

	DAY ON TEST										
	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	*TOTALS
	1	1	1	1	1	1	1	1	1	1	
Thymus	+	+	+	+	+	+	+	+	+	+	10
Integumentary System											
NONE											
Musculoskeletal System											
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	10
Nervous System											
Brain	+	+	+	+	+	+	+			+	9
Brain, Cerebrum									+		1
Developmental Malformation									1		1 1.0
Respiratory System											
NONE											
Special Senses System											
NONE											
Urinary System											
Kidney	+	+	+	+	+	+	+	+	+	+	10
Nephropathy			1		1					1	3 1.0

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99013-02
 Test Type: 7-WEEK PERINATAL
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 10/19/2014
 Time Report Requested: 15:15:12
 First Dose M/F: NA / NA
 Lab: BAT

F 344/N Rat Female
250 PPM PUPS

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	
	5	5	5	5	5	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	7	7	7	7	7	7	7	7	7	8	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

Ovary	+	+	+	+	+	+	+	+	+	+	10
Atrophy	1	1	1	1	1	1		1			8 1.0
Vagina	+	+	+	+	+	+	+	+	+	+	10

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99013-02
 Test Type: 7-WEEK PERINATAL
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 10/19/2014
 Time Report Requested: 15:15:12
 First Dose M/F: NA / NA
 Lab: BAT

F 344/N Rat Female
250 PPM PUPS

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	8
	1	2	3	4	5	6	7	8	9	0	0
	*TOTALS										

Nervous System

Brain		+			+			+	+	+	5
Brain, Cerebrum	+		+	+		+	+				5
Developmental Malformation	1		1	1		1	1				5 1.0

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99013-02
 Test Type: 7-WEEK PERINATAL
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 10/19/2014
 Time Report Requested: 15:15:12
 First Dose M/F: NA / NA
 Lab: BAT

**F 344/N Rat Female
 500 PPM PUPS**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	8	8	8	8	8	8	8	8	8	9
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10		
Hematopoietic Cell Proliferation				1								1	1.0
Hepatodiaphragmatic Nodule										X		1	
Inflammation, Chronic Active			1		1			1	1			4	1.0

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

Ovary	+	+	+	+	+	+	+	+	+	+	10		
Atrophy	1	1	1				1	1	1	1		7	1.0
Vagina	+	+	+	+	+	+	+	+	+	+	10		

Hematopoietic System

NONE

Integumentary System

NONE

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99013-02
 Test Type: 7-WEEK PERINATAL
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 10/19/2014
 Time Report Requested: 15:15:12
 First Dose M/F: NA / NA
 Lab: BAT

F 344/N Rat Female
500 PPM PUPS

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	8	8	8	8	8	8	8	8	8	8	9
	1	2	3	4	5	6	7	8	8	9	0
	*TOTALS										

Musculoskeletal System

NONE

Nervous System

Brain	+	+	+	+		+	+	+		+	8
Brain, Cerebrum					+				+		2
Developmental Malformation					1				1		2 1.0

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99013-02
 Test Type: 7-WEEK PERINATAL
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 10/19/2014
 Time Report Requested: 15:15:12
 First Dose M/F: NA / NA
 Lab: BAT

**F 344/N Rat Female
 1000 PPM PUPS**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	1
	9	9	9	9	9	9	9	9	9	9	0
	1	2	3	4	5	6	7	8	9	9	0
	*TOTALS										

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10
Fatty Change	1					1					2 1.0
Hematopoietic Cell Proliferation	1	1					1	1		1	5 1.0
Hepatodiaphragmatic Nodule						X					1
Inflammation, Chronic Active		1	1	1					1		4 1.0

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

Ovary	+	+	+	+	+	+	+	+	+	+	10
Atrophy	1	1		1		1	1		1	1	7 1.0
Uterus	+	+	+	+	+	+	+	+	+	+	10
Vagina	+	+	+	+	+	+	+	+	+	+	10

Hematopoietic System

Spleen	+	+	+	+	+	+	+	+	+	+	10
--------	---	---	---	---	---	---	---	---	---	---	----

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99013-02
 Test Type: 7-WEEK PERINATAL
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 10/19/2014
 Time Report Requested: 15:15:13
 First Dose M/F: NA / NA
 Lab: BAT

**F 344/N Rat Female
 1000 PPM PUPS**

	DAY ON TEST											
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	1	1	1	1	1	1	1	1	1	1		
	5	5	5	5	5	5	5	5	5	5		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	1		
	9	9	9	9	9	9	9	9	9	0		
	1	2	3	4	5	6	7	8	9	0	*TOTALS	
Hematopoietic Cell Proliferation	1	1	1	1	1	1	1	1	1	1	10	1.0
Integumentary System												
NONE												
Musculoskeletal System												
NONE												
Nervous System												
Brain	+	+	+		+	+	+	+	+	+	9	
Brain, Cerebrum				+							1	
Developmental Malformation				1							1	1.0
Respiratory System												
NONE												
Special Senses System												
NONE												
Urinary System												
NONE												

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99013-02
 Test Type: 7-WEEK PERINATAL
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 10/19/2014
 Time Report Requested: 15:15:13
 First Dose M/F: NA / NA
 Lab: BAT

**F 344/N Rat Female
 2000 PPM PUPS**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10	
Fatty Change									1		1	1.0
Hematopoietic Cell Proliferation	1	1			1					1	4	1.0
Hepatodiaphragmatic Nodule		X				X		X			3	
Inflammation, Chronic Active			1	1		1					3	1.0

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

Ovary	+	+	+	+	+	+	+	+	+	+	10	
Atrophy	2	1	1	1	1	1	1	1	2	1	10	1.2
Uterus	+	+	+	+	+	+	+	+	+	+	10	
Atrophy	2	2	2		2	1	2	2	2	3	9	2.0
Vagina	+	+	+	+	+	+	+	+	+	+	10	

Hematopoietic System

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99013-02
 Test Type: 7-WEEK PERINATAL
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 10/19/2014
 Time Report Requested: 15:15:13
 First Dose M/F: NA / NA
 Lab: BAT

**F 344/N Rat Female
 2000 PPM PUPS**

	DAY ON TEST											
	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0		
	1	1	1	1	1	1	1	1	1	1		
	5	5	5	5	5	5	5	5	5	5	*TOTALS	
Spleen	+	+	+	+	+	+	+	+	+	+	10	
Hematopoietic Cell Proliferation	2	1	1	1	3	2	1	1	1	2	10	1.5
Lymph Follic, Depletion Cellular	1	1				1					3	1.0
Thymus	+	+	+	+	+	+	+	+	+	+	10	
Integumentary System												
NONE												
Musculoskeletal System												
NONE												
Nervous System												
Brain	+	+	+	+	+	+	+			+	8	
Brain, Cerebrum								+	+		2	
Developmental Malformation								1	1		2	1.0
Respiratory System												
NONE												
Special Senses System												
NONE												
Urinary System												
Kidney	+	+	+	+	+	+	+	+	+	+	10	
Nephropathy							1		1		2	1.0

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 99013-02
 Test Type: 7-WEEK PERINATAL
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 10/19/2014
 Time Report Requested: 15:15:13
 First Dose M/F: NA / NA
 Lab: BAT

**F 344/N Rat Female
 4000 PPM PUPS**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10	
Fatty Change	2	3	2	3	2	1	2	2	2	1	10	2.0
Hematopoietic Cell Proliferation	1			1	1	1	1	1	1	1	8	1.0
Hepatodiaphragmatic Nodule	X	X		X							3	

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

Ovary	+	+	+	+	+	+	+	+	+	+	10	
Atrophy	2	2	2	2	1	2	2	2	2	2	10	1.9
Uterus	+	+	+	+	+	+	+	+	+	+	10	
Atrophy	2	3	3	2	2	2	2	3	2	2	10	2.3
Vagina	M	+	+	+	+	+	+	+	+	+	9	

Hematopoietic System

Spleen	+	+	+	+	+	+	+	+	+	+	10
--------	---	---	---	---	---	---	---	---	---	---	----

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99013-02
 Test Type: 7-WEEK PERINATAL
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Styrene-acrylonitrile trimer
 CAS Number: SANTRIMER2

Date Report Requested: 10/19/2014
 Time Report Requested: 15:15:13
 First Dose M/F: NA / NA
 Lab: BAT

**F 344/N Rat Female
 4000 PPM PUPS**

	DAY ON TEST											
	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	*TOTALS	
	1	1	1	1	1	1	1	1	1	1		
	5	5	5	5	5	5	5	5	5	5		
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	1	1	1	1	1	1	1	1	1	1		
	1	1	1	1	1	1	1	1	1	1		
	1	1	1	1	1	1	1	1	1	2		
	1	2	3	4	5	6	7	8	9	0		
Hematopoietic Cell Proliferation	2	2	3	2	3	3	2	2	3	2	10	2.4
Lymph Follic, Depletion Cellular	2		1			2	1	1			5	1.4
Thymus	+	+	+	+	+	+	+	+	+	+	10	
Atrophy	2		1	1		3		1	2	1	7	1.6
Integumentary System												
NONE												
Musculoskeletal System												
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	10	
Nervous System												
Brain	+	+				+					3	
Brain, Cerebrum				+	+	+		+	+	+	7	
Developmental Malformation			1	1	1		1	2	1	1	7	1.1
Respiratory System												
NONE												
Special Senses System												
NONE												
Urinary System												
Kidney	+	+	+	+	+	+	+	+	+	+	10	
Atrophy	1		1		1	1	1	1	1	1	8	1.0

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 99013-02
Test Type: 7-WEEK PERINATAL
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
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4000 PPM PUPS

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	
	5	5	5	5	5	5	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	
	1	1	1	1	1	1	1	1	1	1	2	
	1	2	3	4	5	6	7	8	9	0		*TOTALS
Mineralization	1										1	1.0

**** END OF REPORT ****

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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