

TDMS No. 20301 - 04
Test Type: 90-DAY
Route: DOSED FEED
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

p-Toluenesulfonamide
CAS Number: 70-55-3

Date Report Requested: 05/19/2011
Time Report Requested: 12:47:52
First Dose M/F: 10/19/06 / 10/20/06
Lab: MBA

F1_M3

C Number: C20301

Lock Date: 12/23/2009

Cage Range: ALL

Date Range: ALL

Reasons For Removal: 25022 ACCK

25021 TSAC

Removal Date Range: ALL

Treatment Groups:
Include 001 0 ppm
Include 004 2500 ppm
Include 008 0 ppm
Include 011 2500 ppm

Include 002 625 ppm
Include 005 5000 ppm
Include 009 625 ppm
Include 012 5000 ppm

Include 003 1250 ppm
Include 006 10000 ppm
Include 010 1250 ppm
Include 013 10000 ppm

Study Gender: Both

TDMSE Version: 2.4.0.0_003

PWG Approval Date: NONE

TDMS No. 20301 - 04
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 p-Toluenesulfonamide
 CAS Number: 70-55-3

Date Report Requested: 05/19/2011
 Time Report Requested: 12:47:52
 First Dose M/F: 10/19/06 / 10/20/06
 Lab: MBA

B6C3F1 MICE MALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
0 ppm	ANIMAL ID	2	2	2	2	2	2	2	2	2	
		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	
		1	2	3	4	5	6	7	8	9	0
* TOTALS											

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Gallbladder	+	+	M	+	+	+	+	+	+	+	9
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic				1		1			1		3 1.0
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	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

TDMS No. 20301 - 04
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 p-Toluenesulfonamide
 CAS Number: 70-55-3

Date Report Requested: 05/19/2011
 Time Report Requested: 12:47:52
 First Dose M/F: 10/19/06 / 10/20/06
 Lab: MBA

B6C3F1 MICE MALE 0 ppm	DAY ON TEST	0	0	0	0	0	0	0	0	0	ANIMAL ID		
		0	0	0	0	0	0	0	0	0			
		9	9	9	9	9	9	9	9	9			
		2	2	2	2	2	2	2	2	2			
		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			
		1	2	3	4	5	6	7	8	9			* TOTALS
Tongue		+	+	+	+	+	+	+	+	+			10
CARDIOVASCULAR SYSTEM													
Blood Vessel		+	+	+	+	M	+	+	+	+			9
Heart		+	+	+	+	+	+	+	+	+			10
ENDOCRINE SYSTEM													
Adrenal Cortex		+	+	+	+	+	+	+	+	+			10
Subcapsular, Hyperplasia				1									1 1.0
Adrenal Medulla		+	+	+	+	+	+	+	+	+			10
Parathyroid Gland		M	+	+	+	M	+	M	M	M			5
Pituitary Gland		+	+	+	+	+	+	+	+	+			10
Thyroid Gland		+	+	+	+	+	+	+	+	+			10
Cyst		X											1
GENERAL BODY SYSTEM													
NONE													
GENITAL SYSTEM													
Epididymis		+	+	+	+	+	+	+	+	+			10
Preputial Gland		+	+	+	+	+	+	+	+	+			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

TDMS No. 20301 - 04
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 p-Toluenesulfonamide
 CAS Number: 70-55-3

Date Report Requested: 05/19/2011
 Time Report Requested: 12:47:52
 First Dose M/F: 10/19/06 / 10/20/06
 Lab: MBA

B6C3F1 MICE MALE 0 ppm	DAY ON TEST	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		2	2	2	2	2	2	2	2	2	
		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	
		1	2	3	4	5	6	7	8	9	0
* TOTALS											
Prostate		+	+	+	+	+	+	+	+	+	10
Seminal Vesicle		+	+	+	+	+	+	+	+	+	10
Testes		+	+	+	+	+	+	+	+	+	10
HEMATOPOIETIC SYSTEM											
Bone Marrow		+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular		+	+	+	+	+	+	+	+	+	10
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	10
Spleen		+	+	+	+	+	+	+	+	+	10
Thymus		+	+	+	+	+	+	+	+	+	10
INTEGUMENTARY SYSTEM											
Mammary Gland		M	+	M	M	+	M	+	M	M	4
Skin		+	+	+	+	+	+	+	+	+	10
MUSCULOSKELETAL SYSTEM											
Bone		+	+	+	+	+	+	+	+	+	10
NERVOUS SYSTEM											
Brain		+	+	+	+	+	+	+	+	+	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

TDMS No. 20301 - 04
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 p-Toluenesulfonamide
 CAS Number: 70-55-3

Date Report Requested: 05/19/2011
 Time Report Requested: 12:47:52
 First Dose M/F: 10/19/06 / 10/20/06
 Lab: MBA

B6C3F1 MICE MALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
0 ppm	ANIMAL ID	2	2	2	2	2	2	2	2	2	
		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	
		1	2	3	4	5	6	7	8	9	0
* TOTALS											

RESPIRATORY SYSTEM

Larynx	+	+	+	+	+	+	+	+	+	+	10
Lung	+	+	+	+	+	+	+	+	+	+	10
Nose	+	+	+	+	+	+	+	+	+	+	10
Trachea	+	+	+	+	+	+	+	+	+	+	10

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	10
Retrobulbar, Inflammation, Suppurative	1			1					2		3 1.3
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Suppurative								2			1 2.0

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic							1	1			2 1.0
Nephropathy								1			1 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	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

TDMS No. 20301 - 04
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 p-Toluenesulfonamide
 CAS Number: 70-55-3

Date Report Requested: 05/19/2011
 Time Report Requested: 12:47:52
 First Dose M/F: 10/19/06 / 10/20/06
 Lab: MBA

B6C3F1 MICE MALE 10000 ppm	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		
		9	9	9	9	9	9	9	9	9	9		
		2	2	2	2	2	2	2	2	2	2		
		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

Esophagus	+	+	+	+	+	+	+	+	+	+		10
Gallbladder	+	+	+	+	+	+	+	+	+	+		10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+		10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+		10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+		10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+		10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+		10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+		10
Liver	+	+	+	+	+	+	+	+	+	+		10
Inflammation, Chronic	1				1		1					3 1.0
Oral Mucosa	+	+	+	+	+	+	+	+	+	+		10
Pancreas	+	+	+	+	+	+	+	+	+	+		10
Salivary Glands	+	+	+	+	+	+	+	+	+	+		10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+		10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+		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

TDMS No. 20301 - 04
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 p-Toluenesulfonamide
 CAS Number: 70-55-3

Date Report Requested: 05/19/2011
 Time Report Requested: 12:47:52
 First Dose M/F: 10/19/06 / 10/20/06
 Lab: MBA

B6C3F1 MICE MALE 10000 ppm	DAY ON TEST	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		2	2	2	2	2	2	2	2	2	
		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	6	
		1	2	3	4	5	6	7	8	9	0
* TOTALS											
Tongue		+	+	+	+	+	+	+	+	+	10
CARDIOVASCULAR SYSTEM											
Blood Vessel		+	+	+	+	+	+	+	+	+	10
Heart		+	+	+	+	+	+	+	+	+	10
ENDOCRINE SYSTEM											
Adrenal Cortex		+	+	+	+	+	+	+	+	+	10
Adrenal Medulla		+	+	+	+	+	+	+	+	+	10
Parathyroid Gland		+	M	+	+	+	+	+	+	+	9
Pituitary Gland		+	+	+	+	+	+	+	+	+	10
Thyroid Gland		+	+	+	+	+	+	+	+	+	10
GENERAL BODY SYSTEM											
NONE											
GENITAL SYSTEM											
Epididymis		+	+	+	+	+	+	+	+	+	10
Preputial Gland		+	+	+	+	+	+	+	+	+	10
Prostate		+	+	+	+	+	+	+	+	+	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

TDMS No. 20301 - 04
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 p-Toluenesulfonamide
 CAS Number: 70-55-3

Date Report Requested: 05/19/2011
 Time Report Requested: 12:47:52
 First Dose M/F: 10/19/06 / 10/20/06
 Lab: MBA

B6C3F1 MICE MALE 10000 ppm	DAY ON TEST	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		2	2	2	2	2	2	2	2	2	
		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	6	
		1	2	3	4	5	6	7	8	9	0
* TOTALS											
Seminal Vesicle		+	+	+	+	+	+	+	+	+	10
Testes		+	+	+	+	+	+	+	+	+	10
HEMATOPOIETIC SYSTEM											
Bone Marrow		+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular		+	+	+	+	+	+	+	+	+	10
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	10
Spleen		+	+	+	+	+	+	+	+	+	10
Thymus		+	+	+	+	+	+	+	+	+	10
INTEGUMENTARY SYSTEM											
Mammary Gland		M	+	+	+	M	+	M	+	M	5
Skin		+	+	+	+	+	+	+	+	+	10
MUSCULOSKELETAL SYSTEM											
Bone		+	+	+	+	+	+	+	+	+	10
NERVOUS SYSTEM											
Brain		+	+	+	+	+	+	+	+	+	10
RESPIRATORY 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

TDMS No. 20301 - 04
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 p-Toluenesulfonamide
 CAS Number: 70-55-3

Date Report Requested: 05/19/2011
 Time Report Requested: 12:47:52
 First Dose M/F: 10/19/06 / 10/20/06
 Lab: MBA

B6C3F1 MICE MALE 10000 ppm	DAY ON TEST	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		2	2	2	2	2	2	2	2	2	
		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	6	
		1	2	3	4	5	6	7	8	9	0
* TOTALS											
Larynx		+	+	+	+	+	+	+	+	+	10
Lung		+	+	+	+	+	+	+	+	+	10
Nose		+	+	+	+	+	+	+	+	+	10
Trachea		+	+	+	+	+	+	+	+	+	10
SPECIAL SENSES SYSTEM											
Eye		+	+	+	+	+	+	+	+	+	10
Retrobulbar, Inflammation, Suppurative				2		2		1		1	5 1.4
Harderian Gland		+	+	+	+	+	+	+	+	+	10
Inflammation, Suppurative										2	1 2.0
Lacrimal Gland									M		0
URINARY SYSTEM											
Kidney		+	+	+	+	+	+	+	+	+	10
Urinary Bladder		+	+	+	+	+	+	+	+	+	10

*** 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

TDMS No. 20301 - 04
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 p-Toluenesulfonamide
 CAS Number: 70-55-3

Date Report Requested: 05/19/2011
 Time Report Requested: 12:47:52
 First Dose M/F: 10/19/06 / 10/20/06
 Lab: MBA

B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
0 ppm	ANIMAL ID	2	2	2	2	2	2	2	2	2	
		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	7	
		1	2	3	4	5	6	7	8	9	0
* TOTALS											

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Gallbladder	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic				1		1					2 1.0
Necrosis	1										1 1.0
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	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

TDMS No. 20301 - 04
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 p-Toluenesulfonamide
 CAS Number: 70-55-3

Date Report Requested: 05/19/2011
 Time Report Requested: 12:47:52
 First Dose M/F: 10/19/06 / 10/20/06
 Lab: MBA

B6C3F1 MICE FEMALE 0 ppm	DAY ON TEST										ANIMAL ID		
	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2			0 9 2
	0	0	0	0	0	0	0	0	0	0	0 0 6 1		
	0	0	0	0	0	0	0	0	0	0	0 0 6 2		
	0	0	0	0	0	0	0	0	0	0	0 0 6 3		
	0	0	0	0	0	0	0	0	0	0	0 0 6 4		
	0	0	0	0	0	0	0	0	0	0	0 0 6 5		
	0	0	0	0	0	0	0	0	0	0	0 0 6 6		
	0	0	0	0	0	0	0	0	0	0	0 0 6 7		
	0	0	0	0	0	0	0	0	0	0	0 0 6 8		
	0	0	0	0	0	0	0	0	0	0	0 0 6 9		
	0	0	0	0	0	0	0	0	0	0	0 0 6 0		
	* TOTALS												
Tongue	+	+	+	+	+	+	+	+	+	+		10	
CARDIOVASCULAR SYSTEM													
Blood Vessel	+	+	+	+	+	+	+	+	+	+		10	
Heart	+	+	+	+	+	+	+	+	+	+		10	
ENDOCRINE SYSTEM													
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+		10	
Subcapsular, Hyperplasia	2	2		2		2				1		5 1.8	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+		10	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+		10	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+		10	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+		10	
GENERAL BODY SYSTEM													
NONE													
GENITAL SYSTEM													
Clitoral Gland	M	M	M	M	M	+	M	M	M	M		1	
Ovary	+	+	+	+	+	+	+	+	+	+		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

TDMS No. 20301 - 04
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 p-Toluenesulfonamide
 CAS Number: 70-55-3

Date Report Requested: 05/19/2011
 Time Report Requested: 12:47:52
 First Dose M/F: 10/19/06 / 10/20/06
 Lab: MBA

B6C3F1 MICE FEMALE	DAY ON TEST										
	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	
0 ppm	ANIMAL ID										
	0 0 6 1	0 0 6 2	0 0 6 3	0 0 6 4	0 0 6 5	0 0 6 6	0 0 6 7	0 0 6 8	0 0 6 9	0 0 7 0	
											* TOTALS
Uterus	+	+	+	+	+	+	+	+	+	+	10
HEMATOPOIETIC SYSTEM											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10
INTEGUMENTARY SYSTEM											
Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	10
MUSCULOSKELETAL SYSTEM											
Bone	+	+	+	+	+	+	+	+	+	+	10
NERVOUS SYSTEM											
Brain	+	+	+	+	+	+	+	+	+	+	10
RESPIRATORY SYSTEM											
Larynx	+	+	+	+	+	+	+	+	+	+	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

TDMS No. 20301 - 04
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 p-Toluenesulfonamide
 CAS Number: 70-55-3

Date Report Requested: 05/19/2011
 Time Report Requested: 12:47:52
 First Dose M/F: 10/19/06 / 10/20/06
 Lab: MBA

B6C3F1 MICE FEMALE	DAY ON TEST										
	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	
0 ppm	ANIMAL ID										
	0 0 6 1	0 0 6 2	0 0 6 3	0 0 6 4	0 0 6 5	0 0 6 6	0 0 6 7	0 0 6 8	0 0 6 9	0 0 7 0	
	* TOTALS										
Lung Hemorrhage	+	+	+	+	+	+	+	+	+	+	10 1 3.0
Nose	+	+	+	+	+	+	+	+	+	+	10
Trachea	+	+	+	+	+	+	+	+	+	+	10
SPECIAL SENSES SYSTEM											
Eye Retrobulbar, Inflammation, Suppurative	+	+	+	+	+	+	+	+	+	+	10 1 1.0
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10
URINARY SYSTEM											
Kidney Nephropathy	+	+	+	+	+	+	+	+	+	+	10 2 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	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

TDMS No. 20301 - 04
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 p-Toluenesulfonamide
 CAS Number: 70-55-3

Date Report Requested: 05/19/2011
 Time Report Requested: 12:47:52
 First Dose M/F: 10/19/06 / 10/20/06
 Lab: MBA

B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	2
10000 ppm	ANIMAL ID	2	2	2	2	2	2	2	2	2	9
		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	2	
		1	2	3	4	5	6	7	8	9	0
* TOTALS											

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Gallbladder	+	+	+	+	+	+	+	+	+	A	9
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	A	9
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	A	9
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	A	9
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	A	9
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	A	9
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	A	9
Liver	+	+		+	+	+	+	+	+	A	9
Inflammation, Chronic			1		1	1		1			4 1.0
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	A	9
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	A	9
Stomach, Glandular	+	+	+	+	+	+	+	+	+	A	9

* .. 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

TDMS No. 20301 - 04
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 p-Toluenesulfonamide
 CAS Number: 70-55-3

Date Report Requested: 05/19/2011
 Time Report Requested: 12:47:52
 First Dose M/F: 10/19/06 / 10/20/06
 Lab: MBA

B6C3F1 MICE FEMALE 10000 ppm	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			
		9	9	9	9	9	9	9	9	9	9			
		2	2	2	2	2	2	2	2	2	2			
		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

Tongue + + + + + + + + + + 10

CARDIOVASCULAR SYSTEM

Blood Vessel + + + + + + + + + + 10

Heart + + + + + + + + + + 10

ENDOCRINE SYSTEM

Adrenal Cortex + + + + + + + + + + 10
 Subcapsular, Hyperplasia 2 2 1 2 2 6 1.8

Adrenal Medulla + + + + + + + + + + 10

Parathyroid Gland + + + + + + + + + + 10

Pituitary Gland + + + + + + + + + + 10

Thyroid Gland + + + + + + + + + + 10

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland M M + M M M M M M M 1

Ovary + + + + + + + + + A 9
 Inflammation, Granulomatous, Focal 2 1 2.0

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically M .. Missing tissue
 X .. Lesion present A .. Autolysis precludes evaluation
 I .. Insufficient tissue BLANK .. Not examined microscopically

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

TDMS No. 20301 - 04
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 p-Toluenesulfonamide
 CAS Number: 70-55-3

Date Report Requested: 05/19/2011
 Time Report Requested: 12:47:52
 First Dose M/F: 10/19/06 / 10/20/06
 Lab: MBA

B6C3F1 MICE FEMALE 10000 ppm	DAY ON TEST	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		2	2	2	2	2	2	2	2	2	
		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	2	
		1	2	3	4	5	6	7	8	9	
		* TOTALS									
Uterus		+	+	+	+	+	+	+	+	A	9
HEMATOPOIETIC SYSTEM											
Bone Marrow		+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular		+	+	+	+	+	+	+	+	+	10
Lymph Node, Mesenteric		+	+	+	M	+	+	+	+	A	8
Spleen		+	+	+	+	+	+	+	+	A	9
Thymus		+	+	+	+	+	+	+	+	+	10
INTEGUMENTARY SYSTEM											
Mammary Gland		+	+	+	+	+	+	+	+	+	10
Skin		+	+	+	+	+	+	+	+	+	10
MUSCULOSKELETAL SYSTEM											
Bone		+	+	+	+	+	+	+	+	+	10
NERVOUS SYSTEM											
Brain		+	+	+	+	+	+	+	+	+	10
RESPIRATORY SYSTEM											
Larynx		+	+	+	+	+	+	+	+	+	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

TDMS No. 20301 - 04
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 p-Toluenesulfonamide
 CAS Number: 70-55-3

Date Report Requested: 05/19/2011
 Time Report Requested: 12:47:52
 First Dose M/F: 10/19/06 / 10/20/06
 Lab: MBA

B6C3F1 MICE FEMALE 10000 ppm	DAY ON TEST										* TOTALS	
	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2		
	ANIMAL ID											
	0 1 1 1 1	0 0 1 1 1	0 0 1 1 1	0 0 1 1 1	0 0 1 1 1	0 0 1 1 1	0 0 1 1 1	0 0 1 1 1	0 0 1 1 1	0 0 1 1 2	0 0 1 1 0	
Lung	+	+	+	+	+	+	+	+	+	+	10	
Arteriole, Inflammation, Focal, Acute		2									1 2.0	
Nose	+	+	+	+	+	+	+	+	+	+	10	
Trachea	+	+	+	+	+	+	+	+	+	+	10	
SPECIAL SENSES SYSTEM												
Eye	+	+	+	+	+	+	+	+	+	+	10	
Retina, Dysplasia				2							1 2.0	
Retrolbulbar, Inflammation, Suppurative								2			1 2.0	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10	
Inflammation, Suppurative				2							1 2.0	
Inflammation, Chronic					1						1 1.0	
URINARY SYSTEM												
Kidney	+	+	+	+	+	+	+	+	+	+	10	
Urinary Bladder	+	+	+	+	+	+	+	+	A		9	
Inflammation, Chronic Active					3						1 3.0	

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

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