

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

C Number: C20011

Lock Date: 06/15/2006

Cage Range: ALL

Date Range: ALL

Reasons For Removal: ALL

Removal Date Range: ALL

Treatment Groups: Include ALL

Study Gender: Both

TDMSE Version: 2.0.0

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Lab: BNW

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

† .. Tissue examined microscopically

x .. Lesion present

X .. Eosin present
I .. Insufficient tissue

M Missing tissue

A - Autolysis precludes evaluation

BLANK - Not examined microscopically

1-4 Lesion qualified as:

1-4 ... Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

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Lab: BNW

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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

+ .. Tissue examined microscopically

x ... Lesion present

.. Lesion present
 Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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1-4 .. Lesion qualified as:

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Lab: BNW

HEMATOPOIETIC SYSTEM

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

+ .. Tissue examined microscopically

x ... Lesion present

| Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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1-4 .. Lesion qualified as:

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Lab: BNW

Spinal Cord

•

**males
(cont...)**

RESPIRATORY SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 Lesion qualified as

14. Eosinophils qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

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Lab: BNW

Epithelium, Hyperplasia

SPECIAL SENSES SYSTEM

URINARY SYSTEM

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| .. Insufficient tissue

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ALIMENTARY SYSTEM

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

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	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	0	0	
FISCHER 344 RATS MALE	7	7	6	7	6	7	7	5	6	6	6	6	7	7	6	7	6	6	7	7	5	7	4	7		
CONTROL	3	2	6	2	1	0	3	2	3	8	6	5	5	2	3	8	2	6	4	3	2	9	3	2	2	
	0	9	9	9	4	3	0	9	4	8	8	3	9	9	0	6	9	0	6	0	4	6	0	9	9	
		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	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	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	
Mixed Cell Focus																										2.5
Necrosis																										2.5
Thrombosis																										1.20
Vacuolization Cytoplasmic	3	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	1	2	1	2	31	2.1		
Serosa, Fibrosis																										1.20
Mesentery																										
Necrosis																										
Oral Mucosa																										
Foreign Body																										
Hyperplasia, Squamous																										
Inflammation, Chronic Active																										
Pancreas																										
Basophilic Focus																										
Acinus, Atrophy	2	3	1	1		2	1	1		1	1		1		1		1		2	1						
Artery, Inflammation																			3							
Salivary Glands																										
Hyperplasia																										
Stomach, Forestomach																										
Erosion																										
Hyperplasia, Squamous																										
Ulcer	3																		2							
Stomach, Glandular																										
Erosion																										

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CARDIOVASCULAR SYSTEM

ENDOCRINE SYSTEM

Adrenal Cortex Hyperplasia Vacuolization Cytoplasmic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
	1	2	1	1			2	1	1	1	1	2	2	2	2	2	2	1	2	4	27 1.8	
			1	1			1											9	1.2			
Adrenal Medulla Hemorrhage Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
	3	1	3		1	2	3		2			3	2	2	1				2	1	4.0	
																			23	1.7		
Islets, Pancreatic Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
	3																		2	10 1.7		
Parathyroid Gland Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	M	M	+	+	+	+	+	+	46		
												2								2	1.5	

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GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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+ .. Tissue examined microscopically

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HEMATOPOIETIC SYSTEM

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+ .. Tissue examined microscopically

x ... Lesion present

| Insufficient tissue

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Lab: BNW

INTEGUMENTARY SYSTEM

MUSCULOSKELETAL SYSTEM

NERVOUS SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

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Spinal Cord

1

RESPIRATORY SYSTEM

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| .. Insufficient tissue

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SPECIAL SENSES SYSTEM

Eye Lens, Cataract	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	49
																					2	3.0
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50	
Lacrimal Gland Inflammation, Chronic Active																				+	1	
																				3	1	1 3.0

URINARY SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M., Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

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ALIMENTARY SYSTEM

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| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

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CARDIOVASCULAR SYSTEM

ENDOCRINE SYSTEM

Adrenal Cortex +
 2 2 2 2 2 2 2 1 1 2 1 2 1 2 1 2 2 2 2 2 2 2
 Hyperplasia
 Vacuolization Cytoplasmic

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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1-4 .. Lesion qualified as:

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GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis

Penis
Hyperplasia, Squamous

-

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as

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Lab: BNW

HEMATOPOIETIC SYSTEM

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

+ .. Tissue examined microscopically

x ... Lesion present

.. Lesion present
 Insufficient tissue

M .. Missing tissue

A - Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

-.. Lesion qualified as:

1) Minimal 3) Moderate
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SPECIAL SENSES SYSTEM

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† .. Tissue examined microscopically

x ... Lesion present

| .. Insufficient tissue

M Missing tissue

A - Autolysis precludes evaluation

BLANK - Not examined microscopically

1-4. Lesion qualified as:

1-4.2. Emission qualified as:

2) Mild 4) Marked

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Zymbal's Gland

URINARY SYSTEM

* .. 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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1-4 .. Lesion qualified as:

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ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	47
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	48
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	48
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	48
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	47
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	47
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Angiectasis																				4	2 3.0
Basophilic Focus																					9 3.0
Clear Cell Focus																					25 2.0
Degeneration, Cystic																					2 2.0
Eosinophilic Focus																					1 2.0
Hepatodiaphragmatic Nodule																					1 4.0
Mixed Cell Focus																					1 2.0
Necrosis																					1 1.0
Vacuolization Cytoplasmic																					38 1.8
	2	1	1	1	2	1	2	1	1	2	1	3	2	3	2	2	1	2	1	2	

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CARDIOVASCULAR SYSTEM

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia				3	1				3	2		1	1							2	21 1.8
Vacuolization Cytoplasmic						1	1			1	2			2	2	1				1	16 1.6

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GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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HEMATOPOIETIC SYSTEM

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CAS Number: 106-94-5

Date Report Requested: 07/09/2008

Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

Thrombosis

1 3.0

MUSCULOSKELETAL SYSTEM

NERVOUS SYSTEM

RESPIRATORY SYSTEM

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

+ .. Tissue examined microscopically

x ... Lesion present

.. Lesion present
 Insufficient tissue

M .. Missing tissue

M .. Missing tissue
A .. Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

SPECIAL SENSES SYSTEM

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

+ ... Tissue examined microscopically

x ... Lesion present

X .. Essien present
I .. Insufficient tissue

M Missing tissue

A .. Autolysis precludes evaluation

BLANK - Not examined microscopically

1-4 Lesion qualified as:

.. Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

Zymbal's Gland

+

1

URINARY 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. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

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First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

ALIMENTARY SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

.. Lesion present
 Insufficient tissue

M .. Missing tissue

A - Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

-.. Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

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First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

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

+ .. Tissue examined microscopically

x .. Lesion present

.. Lesion present
 Insufficient tissue

M .. Missing tissue

A - Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropan

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

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First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

CARDIOVASCULAR SYSTEM

ENDOCRINE SYSTEM

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

† .. Tissue examined microscopically

x ... Lesion present

X .. Essien present
I .. Insufficient tissue

M Missing tissue

A .. Autolysis precludes evaluation

BLANK - Not examined microscopically

1-4 Lesion qualified as:

1) Minimal 3) Moderate

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

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First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Coagulating Gland

Epididymis

Penis
Concretion

Preputial Gland Ectasia Inflammation, Chronic Active

Prostate
Hyperplasia
Inflammation, Suppurative

Seminal Vesicle
Congestion

Testes

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

M: Missing teeth

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

.. Eczema qualified as:

2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

Urinary Bladder
Hemorrhage

males
(cont...)

* .. 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. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

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First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

ALIMENTARY SYSTEM

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

+ .. Tissue examined microscopically

x ... Lesion present

.. Lesion present
 Insufficient tissue

M.. Missing tissue

A - Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

- .. Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropan

CAS Number: 106-94-5

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First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. 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. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropan

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

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First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

CARDIOVASCULAR SYSTEM

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia	1	1	3	2	2	2	1	1	3	2	2	2	2	1	1	1	1	2	2	22 1.8
Vacuolization Cytoplasmic			2	2					2	3		1	2				3		9 2.0	
.....	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia	2	1	2				1	4	1	2	2	2	1	2	3		2		2	23 1.8
.....	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia	1													1	2					6 1.3
.....	
Parathyroid Gland	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	M	+	+	+	47
.....	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cyst									3											1 3.0
Hemorrhage									3											5 2.8
Pars Distalis, Hyperplasia	1									2		2		1		2		2		11 1.5

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

+ .. Tissue examined microscopically

x ... Lesion present

.. Lesion present
 Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

14. Eosinophils qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

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First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. 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. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

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Lab: BNW

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Lymph Node Deep Cervical, Angiectasis															+							5	1 3.0	
Lymph Node, Bronchial Angiectasis Hemorrhage	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	+	M	M	M	M	M	M	5	2 3.5 1 3.0
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0	
Lymph Node, Mediastinal Angiectasis Hyperplasia, Lymphoid	M	M	M	M	M	M	M	+	M	+	M	M	I	M	+	+	+	+	M	+	+	M	23	1 3.0 1 2.0
Lymph Node, Mesenteric Angiectasis Infiltration Cellular, Histiocyte	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1 3.0 1 3.0
Spleen Accessory Spleen Fibrosis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	1 1 2.0

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

+ .. Tissue examined microscopically

x ... Lesion present

.. Lesion present
 Insufficient tissue

M .. Missing tissue

A - Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

+ .. Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

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First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

INTEGUMENTARY SYSTEM

MUSCULOSKELETAL SYSTEM

NERVOUS SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

.. Lesion present
 Insufficient tissue

M.. Missing tissue

A .. Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

+ .. Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

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1-Bromopropane

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Lab: BNW

RESPIRATORY SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK - Not examined microscopically

1-4 .. Lesion qualified as:

1-4: Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

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Lab: BNW

SPECIAL SENSES SYSTEM

URINARY SYSTEM

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

+ .. Tissue examined microscopically

x ... Lesion present

.. Lesion present
 Insufficient tissue

M.. Missing tissue

A - Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

1-4 ... Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

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Lab: BNW

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

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Lab: BNW

ALIMENTARY SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

.. Lesion present
 Insufficient tissue

M .. Missing tissue

A - Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

1) Minimal 3) Moderate
2) Mild 4) Marked

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

+ .. Tissue examined microscopically

x .. Lesion present

x .. Eosin present
| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK - Not examined microscopically

1-4 .. Lesion qualified as:

1-4: Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

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Lab: BNW

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+		+
Heart	+	+		
Cardiomyopathy	2		2	
Atrium, Thrombosis			2	
Ventricle, Thrombosis				3
				3

ENDOCRINE SYSTEM

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

+ .. Tissue examined microscopically

x ... Lesion present

.. Lesion present
 Insufficient tissue

M.. Missing tissue

A .. Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

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First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

Skeletal Muscle
Inflammation, Suppurative, Chronic

+
4

NERVOUS SYSTEM

Peripheral Nerve

十

Spinal Cord

+

RESPIRATORY SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. 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. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

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First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

Artery, Inflammation

Trachea
Inflammation, Chronic Active
Epithelium, Hyperplasia

SPECIAL SENSES SYSTEM

Zymbal's Gland +

* .. 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. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

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Lab: BNW

URINARY SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. 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. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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Lab: BNW

ALIMENTARY SYSTEM

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

+ .. Tissue examined microscopically

x ... Lesion present

| Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

+ .. Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

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

+ .. Tissue examined microscopically

x .. Lesion present

.. Lesion present
 Insufficient tissue

M.. Missing tissue

A - Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

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Lab: BNW

CARDIOVASCULAR SYSTEM

ENDOCRINE SYSTEM

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

+ .. Tissue examined microscopically

x ... Lesion present

| Insufficient tissue

M.. Missing tissue

A - Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

1) Minimal 3) Moderate
2) Mild 4) Marked

GENERAL BODY SYSTEM

Peritoneum + 2
Inflammation, Suppurative, Chronic 1 4.0

GENITAL SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. 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. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

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First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

INTEGUMENTARY SYSTEM

MUSCULOSKELETAL SYSTEM

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

+ .. Tissue examined microscopically

x ... Lesion present

.. Lesion present
 Insufficient tissue

M.. Missing tissue

A - Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

1-4.2. Emission qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

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First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

Skeletal Muscle
Inflammation, Suppurative, Chronic

3 1 4.0

NERVOUS SYSTEM

RESPIRATORY SYSTEM

Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Foreign Body																				1	
Inflammation, Suppurative, Chronic																				1	
Inflammation, Chronic Active	1							2	1	1			2	1			1	1	2	1	4.0
Metaplasia, Squamous																				26 1.3	
Respiratory Epithelium, Hyperplasia																				5 1.2	
																				1 2.0	
<hr/>																					
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hemorrhage																			2	1 2.0	
Inflammation, Suppurative, Chronic																				3 4.0	
Inflammation, Chronic Active																				3 1.7	
Alveolar Epithelium, Hyperplasia	1							1									1	2	1	11 1.1	
Alveolus, Infiltration Cellular, Histiocyte	1							4									2	1	1	11 1.8	

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. 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. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

SPECIAL SENSES SYSTEM

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

+ .. Tissue examined microscopically

x ... Lesion present

| Insufficient tissue

M.. Missing tissue

A - Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

URINARY SYSTEM

*** END OF MALE DATA ***

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

+ .. Tissue examined microscopically

x ... Lesion present

| Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

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Lab: BNW

ALIMENTARY SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 Lesion qualified as:

14. Eosinophils qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

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First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

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	0	0	0	0	0	0	0	0	
	7	7	7	7	6	7	6	6	6	7	7	7	6	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	
	3	3	3	3	3	3	7	3	9	3	3	3	8	3	3	1	1	3	3	2	3	3	3	3	3	3	3	3	3	3	
	2	2	2	1	8	1	7	3	4	2	1	2	3	1	2	6	2	2	1	6	1	2	2	0	1	2	2	0	1		
	<hr/>																														
FISCHER 344 RATS FEMALE	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CONTROL	ANIMAL ID	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	1
		0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	females (cont...)				

ENDOCRINE SYSTEM

GENERAL BODY 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

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

GENITAL SYSTEM

Clitoral Gland +
 Hyperplasia 4
 Inflammation, Chronic Active 2 1 2 1 1 2 2 1 1 1 1 2 2

Vagina + +
Muscularis, Hypertrophy 3 3

HEMATOPOIETIC SYSTEM

Lymph Node
Inflammation, Chronic Active

* .. 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. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

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First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

NERVOUS SYSTEM

RESPIRATORY SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. 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. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

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Lab: BNW

Respiratory Epithelium, Metaplasia Squamous

Trachea

SPECIAL SENSES SYSTEM

Eye Lens, Cataract

Harderian Gland

Zymbal's Gland

URINARY SYSTEM

Kidney
Cyst
Nephropathy, Chronic

Urinary Bladder

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

+ .. Tissue examined microscopically

x .. Lesion present

.. Lesion present
 Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

.. Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

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Species/Strain: RATS/F 344

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CAS Number: 106-94-5

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Lab: BNW

ALIMENTARY SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

.. Lesion present
 Insufficient tissue

M .. Missing tissue

M .. Missing tissue
A .. Autolysis precludes evaluation

BLANK Not examined microscopically

Page 77

1-4 .. Lesion qualified as:

+ .. Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

1-Bromopropane

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Date Report Requested: 07/09/2008

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First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

Mesentery Necrosis	+	+	+	3	3	+	+	+	3	3	+	3	3	+	3	3	+	3	3	13	13	3.0
<hr/>																						
Oral Mucosa Hyperplasia, Squamous	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3	+	2	2	2.5
<hr/>																						
Pancreas Acinus, Atrophy	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2	+	50	9	1.6
<hr/>																						
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
<hr/>																						
Stomach, Forestomach Hyperplasia, Basal Cell Hyperplasia, Squamous Ulcer	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1	2.0
<hr/>																						
Stomach, Glandular Ulcer	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	3	1.7

CARDIOVASCULAR SYSTEM

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

+ .. Tissue examined microscopically

x ... Lesion present

.. Lesion present
 Insufficient tissue

M.. Missing tissue

A .. Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

1-4 ... lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

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First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

ENDOCRINE SYSTEM

GENERAL BODY SYSTEM

NONE

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. 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. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

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Lab: BNW

GENITAL SYSTEM

HEMATOPOIETIC SYSTEM

Bone Marrow Hyperplasia, Histiocytic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1	4.0	
Lymph Node Inflammation, Chronic Active	+																						1		
																							1	3.0	
Lymph Node, Bronchial Angiectasis	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	1		
																							1	2.0	
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0		
																							0		

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

† .. Tissue examined microscopically

x ... Lesion present

X .. Lesion present
I .. Insufficient tissue

M Missing tissue

M .. Missing tissue
A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 Lesion qualified as:

- .. Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

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First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

INTEGUMENTARY SYSTEM

MUSCULOSKELETAL SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. 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. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

NERVOUS SYSTEM

RESPIRATORY SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

.. Lesion present
 Insufficient tissue

M.. Missing tissue

A .. Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

1-4 :: Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

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Lab: BNW

ALIMENTARY SYSTEM

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

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x .. Lesion present

.. Lesion present
 Insufficient tissue

M .. Missing tissue

A - Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

.. Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

Hyperplasia

2

Islets, Pancreatic Hyperplasia

Parathyroid Gland

Pituitary Gland
Cyst
Hemorrhage
Pars Distalis, Hyperplas

Thyroid Gland
Ultimobranchial Cyst
C-cell, Hyperplasia
Follicular Cell, Hyperplasia

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland
Hyperplasia
Inflammation, Chronic Active

- * .. Total animals with tissue examined
- + .. Tissue examined microscopically
- x .. Lesion present
- .. Insufficient tissue

mean severity grade
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. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

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First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

Spinal Cord

+

RESPIRATORY SYSTEM

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

† .. Tissue examined microscopically

x ... Lesion present

X .. Lesion present
I .. Insufficient tissue

M Missing tissue

A .. Autolysis precludes evaluation

BLANK - Not examined microscopically

1-4 Lesion qualified as:

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

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Lab: BNW

ALIMENTARY SYSTEM

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

+ .. Tissue examined microscopically

x ... Lesion present

| Insufficient tissue

M.. Missing tissue

A - Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

+ .. Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropan

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

CARDIOVASCULAR SYSTEM

ENDOCRINE SYSTEM

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

† .. Tissue examined microscopically

Lesion present

X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue

M .. Missing tissue
A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

- .. Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropan

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

		DAY ON TEST																				
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		7	7	7	5	7	7	7	7	6	7	5	6	7	7	6	4	7	7	7	7	6
		3	3	3	9	1	3	3	3	8	3	7	2	1	3	3	5	3	3	0	3	9
		0	1	1	0	9	1	0	0	1	7	2	5	8	6	0	0	9	3	1	8	2
FISCHER 344 RATS FEMALE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
125 PPM		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	3	3	3	3	3	3	3	3	3	3	3	
		2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	
Hyperplasia		1		2		2		2		1		2		1		2		2		9	1.7	
Islets, Pancreatic Hyperplasia		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Parathyroid Gland		+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	M	+	48	
Pituitary Gland Cyst		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hemorrhage																						
Pars Distalis, Hyperplasia																						
Thyroid Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Ultimobranchial Cyst		2		3		2		1		1		3		2		2		2		2	1	
C-cell, Hyperplasia		1		2		3		2		1		2		1		2		2		2	2	
Follicular Cell, Hyperplasia																						

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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

+ ... Tissue examined microscopically

x ... Lesion present

X .. Eosin present
I .. Insufficient tissue

M Missing tissue

A .. Autolysis precludes evaluation

BLANK - Not examined microscopically

1-4 Lesion qualified as:

-.. Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

HEMATOPOIETIC SYSTEM

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

† .. Tissue examined microscopically

x ... Lesion present

| .. Insufficient tissue

M Missing tissue

A - Autolysis precludes evaluation

BLANK - Not examined microscopically

1-4 Lesion qualified as:

1-4 ... Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

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First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

Spinal Cord

1

RESPIRATORY SYSTEM

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

† .. Tissue examined microscopically

Lesion present

X .. Lesion present
| .. Insufficient tissue

M Missing tissue

A .. Autolysis precludes evaluation

BLANK - Not examined microscopically

1-4 Lesion qualified as:

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

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Lab: BNW

SPECIAL SENSES SYSTEM

Eye Lens, Cataract	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	3	3.0
.....																									
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
.....																									
Zymbal's Gland																							+	1	

URINARY SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

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TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

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Lab: BNW

ALIMENTARY 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. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

CARDIOVASCULAR SYSTEM

Blood Vessel

+

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. 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. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

ENDOCRINE SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

.. Lesion present
 Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

-.. Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropan

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

HEMATOPOIETIC SYSTEM

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

† .. Tissue examined microscopically

x ... Lesion present

| Insufficient tissue

M Missing tissue

A .. Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 Lesion qualified as:

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropan

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

MUSCULOSKELETAL SYSTEM

Skeletal Muscle

NERVOUS SYSTEM

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage		2				4																2	
Inflammation, Chronic Active																1				2			2
Alveolar Epithelium, Hyperplasia		1	1			4		4								2				1			
Alveolus, Infiltration Cellular, Histiocyte	1	2	1		2	4	1	2								2	1	2	1	1	1		2

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. 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. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

URINARY SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. 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. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Angiectasis																					2 2.5
Basophilic Focus	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	42 3.0
Clear Cell Focus	2	2	2	2	2	3	2	2	2	3	3	2	2	3	2	2	3	4	3	3	35 2.4
Eosinophilic Focus																					1 3.0
Hepatodiaphragmatic Nodule																					5 4.0
Mixed Cell Focus																					3 3.0
Necrosis																					1 2.0
Vacuolization Cytoplasmic	3	1	3	2	3		1	2	2	3	3	2	2	2		2	2	3	2	3	39 2.1
Mesentery	+						+	+	+	+	+				+		+	+		+	17

* .. 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

CARDIOVASCULAR SYSTEM

Blood Vessel + 2

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

+ .. Tissue examined microscopically

x ... Lesion present

| Insufficient tissue

M.. Missing tissue

A - Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

1-4: Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

ENDOCRINE SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

.. Lesion present
 Insufficient tissue

M.. Missing tissue

A .. Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

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Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

HEMATOPOIETIC SYSTEM

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

† .. Tissue examined microscopically

x ... Lesion present

X .. Eosin present
| .. Insufficient tissue

M Missing tissue

A - Autolysis precludes evaluation

BLANK - Not examined microscopically

1-4 Lesion qualified as:

.. Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropan

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First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

MUSCULOSKELETAL SYSTEM

NERVOUS SYSTEM

RESPIRATORY SYSTEM

Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Foreign Body								X													3
Inflammation, Chronic Active				1	2	1	1	3	1		1	1	1	2	1	1	2	2	2	2	30 1.4
Metaplasia, Squamous								2					2				1	1	1	1	6 1.3
<hr/>																					
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hemorrhage							X														4 2.5
Inflammation, Chronic Active				1			1		2	2	2				1		2	2	2	2	12 1.7
Alveolar Epithelium, Hyperplasia					1	1	1	4	2		1	1			1	3		2	2	2	16 1.9
Alveolus, Infiltration Cellular, Histiocyte						2	2	2	2	2	2	1			2	3	2	2	2	2	29 1.8
<hr/>																					
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Foreign Body	X							X		X			X			X					6

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 Lesion qualified as:

+ .. Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

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Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

SPECIAL SENSES SYSTEM

Ear		+		1
Eye	+	+	+	50
Cornea, Inflammation, Chronic Active	+	+	+	1
Lens, Cataract	+	+	+	1.0
			3	5
Harderian Gland	+	+	+	50
Inflammation, Chronic Active	+	+	+	1
			2	2.0
Zymbal's Gland		+		2

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

+ .. Tissue examined microscopically

x ... Lesion present

| Insufficient tissue

M.. Missing tissue

A - Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

1-4: Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

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First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

URINARY SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. 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. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

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Lab: BNW

ALIMENTARY SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

14. Eosinophils qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

HEMATOPOIETIC SYSTEM

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

+ .. Tissue examined microscopically

x ... Lesion present

| Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

.. Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

SPECIAL SENSES SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. 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. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

Ear
Inflammation, Suppurative, Chronic

4

Eye
Lens, Cataract

Harderian Gland
Inflammation, Suppurative, Chronic
Inflammation, Chronic Active

+
4

URINARY SYSTEM

Kidney
Nephropathy, Chronic

Urinary Bladder

* .. 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. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

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ALIMENTARY SYSTEM

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

+ .. Tissue examined microscopically

x ... Lesion present

| Insufficient tissue

M.. Missing tissue

A .. Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

+ .. Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropan

CAS Number: 106-94-5

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First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

Mesentery Necrosis	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	23	22	3.0	
.....																							
Oral Mucosa Foreign Body																					1		1
Hyperplasia, Squamous																					1	2.0	
Inflammation, Chronic Active																					1	2.0	
.....																							
Pancreas Acinus, Atrophy	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	7	1.7	
Salivary Glands Inflammation, Chronic Active	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1	1.0	
Stomach, Forestomach Hyperplasia, Basal Cell	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1	2.0	
Hyperplasia, Squamous																					2	2.0	
Ulcer																					6	1.8	
Stomach, Glandular Ulcer	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1	2.0	
Tongue																					+		1

CARDIOVASCULAR SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

.. Lesion present
 Insufficient tissue

M .. Missing tissue

A - Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

1-4 ... Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropan

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

HEMATOPOIETIC SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A.. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

.. Eczema qualified as:

2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

MUSCULOSKELETAL SYSTEM

NERVOUS SYSTEM

RESPIRATORY SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M.. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

.. Lesion qualified as:

1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 07/09/2008

Time Report Requested: 10:20:06

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

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	0	0	0	0	0	0	0
	6	7	7	4	1	7	7	7	6	4	6	7	6	6	7	5	4	7	7	7	7	5	7	6	7				
	1	3	3	5	4	3	3	3	8	5	1	3	0	8	1	9	9	2	3	1	3	8	3	1	3				
	1	1	0	3	2	2	2	0	6	0	9	0	6	8	9	0	8	4	1	5	1	6	2	6	1				

FISCHER 344 RATS FEMALE	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
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
500 PPM	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	5
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	* TOTALS		
Metaplasia, Squamous		2																									21	1.7	
Necrosis																										1	1.0		
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Hemorrhage																										4	2.0		
Inflammation, Suppurative, Chronic																										4	4.0		
Inflammation, Chronic Active																										2	2.0		
Alveolar Epithelium, Hyperplasia																										8	1.5		
Alveolus, Infiltration Cellular, Histiocyte																										26	1.5		
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Foreign Body																										9			
Inflammation, Suppurative, Chronic																										7	4.0		
Inflammation, Chronic Active																										36	1.3		
Epithelium, Accumulation, Hyaline Droplet	1	1	1	1	2		2	2	2	2	2	2	2	1	2	1	2	1	2	1	2	1	1	1	1	2	1	1	
Glands, Hyperplasia	2	2	2	2	2		2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	47	1.9
Olfactory Epithelium, Metaplasia, Respiratory																										30	2.0		
Respiratory Epithelium, Hyperplasia																										9	2.2		
Respiratory Epithelium, Metaplasia, Squamous																										18	1.5		
																										1	2.0		
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Inflammation, Chronic Active																										6	1.7		
Epithelium, Hyperplasia																										4	1.8		
Epithelium, Metaplasia, Squamous																										1	2.0		
Epithelium, Necrosis																										1	2.0		

SPECIAL SENSES SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. 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

