

**Experiment Number:** 96019-03

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)**

**Test Compound:** Water disinfection byproducts (Bromochloroacetic acid)

**CAS Number:** 5589-96-8

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 16:36:16

**First Dose M/F:** NA / NA

**Lab:** SRI

<b>C Number:</b>	C96019
<b>Lock Date:</b>	07/13/2001
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

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F 344/N Rat MALE	0 MG/L	62.5 MG/L	125 MG/L	250 MG/L	500 MG/L	1000 MG/L
<b>Disposition Summary</b>						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	2	10	10	10	10
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(0)	(10)
Liver	(10)	(0)	(10)	(10)	(10)	(10)
Hematopoietic Cell Proliferation	1 (10%)		2 (20%)	2 (20%)	7 (70%)	3 (30%)
Hemorrhage, Focal					1 (10%)	
Hepatodiaphragmatic Nodule					1 (10%)	
Inflammation, Chronic, Focal				1 (10%)		2 (20%)
Necrosis, Focal					1 (10%)	
Vacuolization Cytoplasmic						10 (100%)
Mesentery	(0)	(0)	(1)	(0)	(0)	(1)
Accessory Spleen						1 (100%)
Necrosis, Fatty			1 (100%)			
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Acinus, Atrophy	1 (10%)					
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Basophilic Focus	8 (80%)					4 (40%)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)

a - Number of animals examined microscopically at site and number of animals with lesion

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F 344/N Rat MALE	0 MG/L	62.5 MG/L	125 MG/L	250 MG/L	500 MG/L	1000 MG/L
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(10)
<b>CARDIOVASCULAR SYSTEM</b>						
Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy	8 (80%)					8 (80%)
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Pars Distalis, Cyst						1 (10%)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Epididymis	(10)	(0)	(0)	(0)	(0)	(10)
Preputial Gland	(10)	(0)	(0)	(0)	(0)	(10)
Prostate	(10)	(0)	(0)	(0)	(0)	(10)
Seminal Vesicle	(10)	(0)	(0)	(0)	(0)	(10)
Testes	(10)	(2)	(0)	(0)	(0)	(10)
Atrophy		2 (100%)				1 (10%)
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node	(0)	(0)	(0)	(0)	(1)	(0)
Mediastinal, Hemorrhage					1 (100%)	
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Hemorrhage						1 (10%)
Spleen	(10)	(0)	(0)	(0)	(0)	(10)

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F 344/N Rat MALE	0 MG/L	62.5 MG/L	125 MG/L	250 MG/L	500 MG/L	1000 MG/L
Thymus Hemorrhage	(10)	(0)	(0)	(0)	(1) 1 (100%)	(10)
INTEGUMENTARY SYSTEM						
Mammary Gland	(5)	(0)	(0)	(0)	(0)	(7)
Skin	(10)	(0)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(0)	(0)	(10)
Alveolus, Hemorrhage, Focal Inflammation, Chronic, Focal Metaplasia, Osseous	1 (10%)					3 (30%) 1 (10%)
Nose	(10)	(0)	(0)	(0)	(0)	(10)
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(0)	(0)	(10)
Nephropathy	7 (70%)					7 (70%)
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)

\*\*\*END OF MALE DATA\*\*\*

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Species/Strain: Rat/F 344/N

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F 344/N Rat FEMALE	0 MG/L	62.5 MG/L	125 MG/L	250 MG/L	500 MG/L	1000 MG/L
<b>Disposition Summary</b>						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	3	4	10	10	10
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(0)	(10)
Epithelium, Cyst						1 (10%)
Liver	(10)	(1)	(3)	(10)	(10)	(10)
Hematopoietic Cell Proliferation	2 (20%)			3 (30%)	2 (20%)	3 (30%)
Hepatodiaphragmatic Nodule		1 (100%)		1 (10%)		
Inflammation, Chronic, Focal	2 (20%)	1 (100%)	3 (100%)			4 (40%)
Vacuolization Cytoplasmic						6 (60%)
Mesentery	(0)	(1)	(1)	(0)	(0)	(0)
Necrosis, Fatty		1 (100%)	1 (100%)			
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Acinus, Atrophy	1 (10%)					
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Basophilic Focus	2 (20%)					4 (40%)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(10)
<b>CARDIOVASCULAR SYSTEM</b>						

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F 344/N Rat FEMALE	0 MG/L	62.5 MG/L	125 MG/L	250 MG/L	500 MG/L	1000 MG/L
Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy	1 (10%)					1 (10%)
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
Pituitary Gland	(9)	(0)	(0)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Clitoral Gland	(10)	(0)	(0)	(0)	(0)	(10)
Ovary	(10)	(0)	(0)	(0)	(0)	(10)
Cyst						1 (10%)
Uterus	(10)	(1)	(1)	(2)	(1)	(10)
Hydrometra	2 (20%)	1 (100%)	1 (100%)	2 (100%)	1 (100%)	2 (20%)
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node	(0)	(0)	(2)	(1)	(2)	(0)
Mediastinal, Infiltration Cellular, Histiocyte			1 (50%)			
Mediastinal, Pigmentation, Hemosiderin			1 (50%)			
Pancreatic, Hemorrhage				1 (100%)	1 (50%)	
Pancreatic, Infiltration Cellular, Histiocyte			1 (50%)			
Pancreatic, Pigmentation, Hemosiderin					1 (50%)	
Lymph Node, Mandibular	(0)	(0)	(0)	(0)	(0)	(2)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Spleen	(10)	(0)	(0)	(0)	(0)	(10)

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F 344/N Rat FEMALE	0 MG/L	62.5 MG/L	125 MG/L	250 MG/L	500 MG/L	1000 MG/L
Thymus	(10)	(0)	(0)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Skin	(10)	(0)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Chronic, Focal						1 (10%)
Metaplasia, Osseous						1 (10%)
Nose	(10)	(0)	(0)	(0)	(10)	(10)
Hyperplasia, Focal						2 (20%)
Septum, Inflammation, Chronic, Focal						1 (10%)
Septum, Metaplasia, Squamous, Focal						1 (10%)
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(0)	(0)	(10)
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)

\*\* END OF REPORT \*\*

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