

Experiment Number: 96015-03
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)
CAS Number: 3252-43-5

Date Report Requested: 10/18/2014
Time Report Requested: 17:31:59
First Dose M/F: NA / NA
Lab: SRI

C Number: C96015
Lock Date: 07/20/2001
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date: NONE

Experiment Number: 96015-03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

CAS Number: 3252-43-5

Date Report Requested: 10/18/2014

Time Report Requested: 17:31:59

First Dose M/F: NA / NA

Lab: SRI

F 344/N Rat MALE	0 MG/L	12.5 MG/L	25 MG/L	50 MG/L	100 MG/L	200 MG/L
Disposition Summary						
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	2	2		10
ALIMENTARY SYSTEM						
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)	(2)	(1)	(0)	(0)	(10)
Hematopoietic Cell Proliferation	2 [1.0]					3 [1.0]
Hepatodiaphragmatic Nodule		2 [2.0]	1 [2.0]			
Inflammation, Chronic, Focal	1 [1.0]					1 [1.0]
Mesentery	(1)	(0)	(0)	(0)	(0)	(0)
Fat, Necrosis, Focal	1 [2.0]					
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Acinus, Atrophy	1 [1.0]					
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Parotid Gl, Basophilic Focus	6 [1.0]					5 [1.0]
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(10)
Cyst	2 [1.0]					
CARDIOVASCULAR SYSTEM						

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

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Experiment Number: 96015-03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

CAS Number: 3252-43-5

Date Report Requested: 10/18/2014

Time Report Requested: 17:31:59

First Dose M/F: NA / NA

Lab: SRI

F 344/N Rat MALE	0 MG/L	12.5 MG/L	25 MG/L	50 MG/L	100 MG/L	200 MG/L
Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy, Focal	6 [1.2]					6 [1.0]
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Fibrosis, Focal						1 [2.0]
Mineralization, Focal						1 [2.0]
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 [1.0]
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
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)	(0)	(0)	(0)	(0)	(10)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node	(1)	(0)	(0)	(0)	(0)	(1)
Pancreatic, Hemorrhage	1 [2.0]					1 [1.0]
Lymph Node, Mandibular	(1)	(0)	(0)	(0)	(0)	(2)
Ectasia	1 [1.0]					
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)

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

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Experiment Number: 96015-03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

CAS Number: 3252-43-5

Date Report Requested: 10/18/2014

Time Report Requested: 17:31:59

First Dose M/F: NA / NA

Lab: SRI

F 344/N Rat MALE	0 MG/L	12.5 MG/L	25 MG/L	50 MG/L	100 MG/L	200 MG/L
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Thymus	(10)	(0)	(1)	(0)	(0)	(10)
Hemorrhage			1 [2.0]			
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)	(2)	(0)	(10)
Alveolus, Hemorrhage				2 [2.0]		
Alveolus, Infiltration Cellular, Histiocyte, Focal	1 [1.0]					1 [1.0]
Arteriole, Mineralization, Focal	1 [1.0]					
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	1 [1.0]					5 [1.0]
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)

END OF MALE DATA

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

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Experiment Number: 96015-03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

CAS Number: 3252-43-5

Date Report Requested: 10/18/2014

Time Report Requested: 17:31:59

First Dose M/F: NA / NA

Lab: SRI

F 344/N Rat FEMALE	0 MG/L	12.5 MG/L	25 MG/L	50 MG/L	100 MG/L	200 MG/L
Disposition Summary						
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	1	2	2	3	10
ALIMENTARY SYSTEM						
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)	(9)
Liver	(10)	(0)	(1)	(0)	(0)	(10)
Hematopoietic Cell Proliferation	3 [1.3]					4 [1.0]
Hepatodiaphragmatic Nodule			1 [2.0]			
Inflammation, Chronic, Focal	4 [1.0]					3 [1.0]
Necrosis, Focal	1 [1.0]					
Mesentery	(0)	(0)	(0)	(0)	(1)	(0)
Fat, Hemorrhage, Focal					1 [2.0]	
Fat, Necrosis, Focal					1 [2.0]	
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Parotid Gl, Basophilic Focus	3 [1.0]					2 [1.0]
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(10)
Mineralization, Focal	1 [1.0]					

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

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Experiment Number: 96015-03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

CAS Number: 3252-43-5

Date Report Requested: 10/18/2014

Time Report Requested: 17:31:59

First Dose M/F: NA / NA

Lab: SRI

F 344/N Rat FEMALE	0 MG/L	12.5 MG/L	25 MG/L	50 MG/L	100 MG/L	200 MG/L
CARDIOVASCULAR SYSTEM						
Blood Vessel	(10)	(0)	(0)	(0)	(0)	(9)
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy, Focal	1 [1.0]					1 [1.0]
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Accessory Adrenal Cortical Nodule	1 [1.0]					
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(9)	(0)	(0)	(0)	(0)	(9)
Pituitary Gland	(10)	(0)	(0)	(0)	(1)	(10)
Pars Distalis, Cyst	1 [1.0]					
Rathkes Cleft, Cyst	1 [2.0]				1 [1.0]	1 [2.0]
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(10)	(0)	(0)	(0)	(0)	(10)
Ovary	(10)	(0)	(0)	(0)	(0)	(10)
Cyst	1 [2.0]					
Uterus	(10)	(1)	(0)	(1)	(2)	(10)
Hydrometra	3 [2.0]	1 [2.0]		1 [2.0]	2 [1.5]	2 [2.0]
Vagina	(0)	(0)	(0)	(0)	(0)	(1)
Cyst						1 [2.0]
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node	(1)	(0)	(1)	(1)	(0)	(1)
Mediastinal, Hemorrhage						1 [2.0]

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

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Experiment Number: 96015-03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**

Test Compound: Water disinfection byproducts (Dibromoacetonitrile)

CAS Number: 3252-43-5

Date Report Requested: 10/18/2014

Time Report Requested: 17:31:59

First Dose M/F: NA / NA

Lab: SRI

F 344/N Rat FEMALE	0 MG/L	12.5 MG/L	25 MG/L	50 MG/L	100 MG/L	200 MG/L
Pancreatic, Hemorrhage	1 [2.0]		1 [2.0]	1 [2.0]		
Lymph Node, Mandibular Ectasia	(1) 1 [2.0]	(0)	(0)	(0)	(0)	(0)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
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)
Infiltration Cellular, Lymphocyte, Focal	3 [1.0]					4 [1.0]
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)
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)

**** END OF REPORT ****

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

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)