

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

C Number:	C96019
Lock Date:	07/14/2004
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	04/06/2006

Experiment Number: 96019-05

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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 1	TRT#: 1 DOSE: 0 MG/L	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 97025
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
* Mammary Gland [Cyst TGLS = 2-8]		Cyst	Minimal
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland [Adenoma TGLS = 3-1] [Angiectasis TGLS = 3-1]	Pars Distalis Pars Distalis	Adenoma Angiectasis	Minimal
* Prostate		Inflammation	Chronic, Mild
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	Follicle	Cyst	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

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CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 2	TRT#: 1 DOSE: 0 MG/L	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 97026
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 3-22]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Congestion	Minimal
	Mediastinal	Hyperplasia	Lymphoid, Minimal
	[Congestion TGLS = 4-3]		
* Mammary Gland		Cyst	Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	[Adenoma TGLS = 5-1]		
	[Angiectasis TGLS = 5-1]		
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 2	TRT#: 1 DOSE: 0 MG/L	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 97026
ORGAN AND ACCOUNTABLE SITE STATUS			
* Skin [Fibroma TGLS = 1-21]	Subcut Tiss	Fibroma	
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia Ultimobranchial Cyst	Moderate Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 3	TRT#: 1 DOSE: 0 MG/L	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 97027
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Adrenal Medulla		Hyperplasia	Marked
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
Note: SLIGHT ECTASIA AND CONGESTION ACCOMPANIES THE SLIGHT HYPERPLASIA IN THE MEDIASTINAL NODE [Hyperplasia TGLS = 3-3]			
* Pancreas	Acinus	Adenoma	
		Atrophy	Minimal
	Acinus	Hyperplasia	Focal, Mild
Note: HYPERPLASIA OF THE PANCREAS IS PRESENT ON SLIDE 4 ADJACENT TO THE DUODENUM [Adenoma TGLS = 2-7]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Prostate		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 3	TRT#: 1 DOSE: 0 MG/L	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 97027
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ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Fibroma TGLS = 4-21]	Subcut Tiss	Fibroma	
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH -

Animal Note: TGL4 IS ENTERED AS SKIN INSTEAD OF MAMMARY GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 4	TRT#: 1 DOSE: 0 MG/L	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: 97028
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Mammary Gland		Cyst	Mild
[Cyst TGLS = 1-8]			
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 4-1]			
[Angiectasis TGLS = 4-1]			
* Prostate		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	Follicular Cel	Adenoma	
[Adenoma TGLS = 3-3]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97028

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 7	TRT#: 1 DOSE: 0 MG/L	SEX: Male DISP: Natural Death	DAY ON TEST: 609 HISTO: 97031
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Jejunum
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OBSERVATIONS

* Brain [Compression TGLS = 5-1]		Compression	Minimal
* Liver [Leukemia Mononuclear TGLS = 4-6]	Bile Duct	Angiectasis Hyperplasia Leukemia Mononuclear	Minimal Mild
* Lung		Leukemia Mononuclear	
* Mammary Gland		Cyst	Minimal
* Nose		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Adenoma Atrophy	Mild
* Pituitary Gland [Hemorrhage TGLS = 6-1]	Pars Distalis	Hemorrhage	Marked
* Prostate		Inflammation	Chronic, Moderate
* Spleen Note: TGL1, ENLARGED SPLEEN IS ON SLIDE 21 INSTEAD OF SLIDE 6 [Leukemia Mononuclear TGLS = 1-21,2-21]		Leukemia Mononuclear	
* Stomach, Glandular		Erosion	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 609

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 97031

ORGAN AND ACCOUNTABLE SITE STATUS

Ulcer

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 8	TRT#: 1 DOSE: 0 MG/L	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 97032
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 8-24]		
	[Leukemia Mononuclear TGLS = 7-6]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: TGL9, ENLARGED AXILLARY NODE, HAS ECTASIA AND HYPERPLASIA AND IS ENTERED ONLY AS A NOTE AS THE AXILLARY SITE IS NOT AVAILABLE ON TDMS			
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 6-23]		
* Pancreas		Atrophy	Minimal
* Preputial Gland		Adenoma	
		Cyst	Minimal
Note: NO CORRESPONDING LESION FOR TGL 1.			
	[Adenoma TGLS = 3-21]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 8

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97032

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 3-21]

* Prostate

Inflammation

Chronic, Minimal

* Skin

Subcut Tiss

Fibroma

Subcut Tiss

Liposarcoma

Note: THE NEOPLASM IS ACTUALLY A MALIGNANT HIBERNOMA OF THE BROWN FAT.

[Fibroma TGLS = 10-26]

[Liposarcoma TGLS = 4-22]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 5-6]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL4 IS ENTERED AS SKIN INSTEAD OF MAMMARY GLAND

Animal Note: TGL3 IS ENTERED AS PREPUTIAL GLAND INSTEAD OF MAMMARY GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 525

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Bone	Femur	Osteopetrosis	Moderate
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-5]		
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-22]		
* Stomach, Forestomach		Edema	Moderate
	Epithelium	Hyperplasia	Moderate
		Ulcer	Mild
* Stomach, Glandular		Erosion	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 525

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97034

ORGAN AND ACCOUNTABLE SITE STATUS

[Erosion TGLS = 6-4,6-21]

* Testes

Interstit Cell

Adenoma

[Adenoma TGLS = 3-7]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 631

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		Leukemia Mononuclear	
* Lymph Node, Mesenteric			
	[Leukemia Mononuclear TGLS = 5-5]		
* Pancreas	Acinus	Hyperplasia	Focal, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 631

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97035

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 2-21]		Leukemia Mononuclear	
* Stomach, Forestomach [Hyperplasia TGLS = 6-4]	Epithelium	Hyperplasia	Moderate
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 601

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Bone Marrow		Hyperplasia	Mild
* Eye		Cataract	Mild
[Cataract TGLS = 5-44]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
* Brain		Hemorrhage	Minimal
[Hemorrhage TGLS = 3-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
[Hyperplasia TGLS = 5-22]			
* Mammary Gland		Cyst	Mild
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
[Adenoma TGLS = 4-1]			
[Angiectasis TGLS = 4-1]			
* Prostate		Inflammation	Chronic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97037

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-21]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 1-7]			
* Thyroid Gland	Follicle	Cyst	Minimal
	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 97038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Necrosis	Mild
		Note: GRANULAR MINERAL DEPOSITS ARE PRESENT ADJACENT TO THE NECROSIS IN THE BRAIN BUT NOT TABULATED	
* Heart		Cardiomyopathy	Mild
		Thrombosis	Mild
		[Cardiomyopathy TGLS = 8-12]	
		[Thrombosis TGLS = 7-12]	
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Infarct	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
		[Leukemia Mononuclear TGLS = 5-6]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-2,10-21,11-22]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 14	TRT#: 1	SEX: Male	DAY ON TEST: 726
	DOSE: 0 MG/L	DISP: Natural Death	HISTO: 97038

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	[Adenoma TGLS = 9-1]		
	[Angiectasis TGLS = 9-1]		
* Prostate		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Stomach, Glandular		Ulcer	Marked
	[Ulcer TGLS = 12-4,12-23]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
	[Adenoma TGLS = 1-7]		
	[Atrophy TGLS = 2-7]		
* Thyroid Gland	Follicle	Cyst	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97040

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
Peripheral Nerve	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
Spinal Cord	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Eye		Cataract	Moderate
[Cataract TGLS = 8-44]			
* Heart		Cardiomyopathy	Minimal
		Thrombosis	Moderate
[Thrombosis TGLS = 6-12]			
* Intestine Large, Cecum		Edema	Moderate
		Inflammation	Moderate
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Mild
[Cyst TGLS = 2-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97040

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic, Moderate
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 7-23]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-21]			
* Stomach, Glandular		Erosion	Moderate
[Erosion TGLS = 10-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 9-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL3, HEMORRHAGE AND NECROSIS OF THE SPLEEN ASSOCIATED WITH LEUKEMIA ARE NOT ROUTINELY TABULATED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 337

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Necrosis	Marked
Note: HEMORRHAGE IS ALSO PRESENT IN THE ADRENAL CORTEX BUT IS NOT TABULATED			
[Necrosis TGLS = 3-10]			
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 6-1]			
[Angiectasis TGLS = 6-1]			
* Testes	Germinal Epith	Atrophy	Marked
[Atrophy TGLS = 2-7]			
* Thymus			
Note: THE THYMUS HAS BEEN LARGELY REPLACED BY ADIPOSE TISSUE			

PRIMARY CAUSE OF DEATH	- Adrenal Cortex Necrosis
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 337

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97041

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL5, TISSUE NOS, MEDIASTINUM IS ALL ADIPOSE TISSUE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Mild
	[Cyst TGLS = 1-8]		
* Nose		Inflammation	Chronic, Mild
	Note: FUNGAL ORGANISMS ARE PRESENT IN THE NASAL CAVITY		
* Pancreas	Acinus	Hyperplasia	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	[Adenoma TGLS = 7-1]		
	[Angiectasis TGLS = 7-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97043

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland

Adenoma
Carcinoma

[Adenoma TGLS = 2-21]

[Carcinoma TGLS = 2-21]

* Prostate

Inflammation

Chronic, Mild

* Spleen

Hematopoietic Cell Proliferation
Leukemia Mononuclear

Minimal

[Hematopoietic Cell Proliferation TGLS = 4-6]

[Leukemia Mononuclear TGLS = 4-6]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-7]

* Thymus

Note: TGL7, DESCRIBED AS CYST IN THE THYMUS IS BELIEVED TO BE ECTASIA OF THE MEDIASTINAL NODE AND IS NOT TABULATED

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
	Bilateral	Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLS = 1-10]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Minimal
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
* Thyroid Gland	Follicle	Cyst	Minimal
	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97044

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 608

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 97045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia Leukemia Mononuclear	Minimal Focal, Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy Leukemia Mononuclear	Minimal
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Nephropathy Hyperplasia Leukemia Mononuclear	Minimal Moderate
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-22]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-21]		
* Mammary Gland		Cyst	Minimal
	[Cyst TGLS = 1-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 608

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 97045

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Minimal
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Stomach, Glandular		Erosion	Moderate
[Erosion TGLS = 8-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97046

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: A SAMPLE OF NORMAL MESENTERY IS SUBMITTED FOR ONCOGENE ANALYSIS AND IS REPRESENT ED BY SLIDE 21

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
* Lung		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-22]			
* Pancreas	Acinus	Hyperplasia	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Minimal
* Prostate	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: SAMPLE OF SLIDE 21 IS SUBMITTED FOR ONCOGENE ANALYSIS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97049

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

[Hyperplasia TGLS = 7-24]

Hyperplasia

Mild

* Testes

[Adenoma TGLS = 1-7]

Bilateral, Interstit Cell

Adenoma

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 715

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Pituitary Gland
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Intestine Large, Cecum		Edema	Minimal
* Intestine Small, Jejunum		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-5]			
* Mammary Gland		Cyst	Minimal
[Cyst TGLS = 8-8]			
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
Note: FUNGAL ORGANISMS ARE PRESENT IN THE NASAL CAVITY			
* Pancreas		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 715

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97050

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

Edema

Minimal

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia Leukemia Mononuclear	Minimal Focal, Mild
* Brain		Compression	Marked
[Compression TGLS = 6-1]			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus Degeneration	Cystic, Mild
	Hepatocyte	Leukemia Mononuclear Vacuolization Cytoplasmic	Mild
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Cyst	Mild
[Cyst TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
[Adenoma TGLS = 7-22]			
[Angiectasis TGLS = 7-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 28	TRT#: 1 DOSE: 0 MG/L	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 97052
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ORGAN AND ACCOUNTABLE SITE STATUS			
* Prostate	Epithelium	Hyperplasia Inflammation	Minimal Chronic, Moderate
* Spleen [Leukemia Mononuclear TGLS = 3-6]		Leukemia Mononuclear	
* Stomach, Forestomach	Epithelium	Edema Hyperplasia Ulcer	Mild Marked Marked
[Hyperplasia TGLS = 5-4,5-21] [Ulcer TGLS = 5-4,5-21]			
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 29	TRT#: 1 DOSE: 0 MG/L	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 97053
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Moderate
	[Clear Cell Focus TGLS = 2-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Mild
	[Atrophy TGLS = 1-7]		
* Prostate		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-7]		
* Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 525

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	Peripheral Nerve	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	Marked
[Compression TGLS = 1-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	Minimal
	Bile Duct	Hyperplasia	Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-21]			
* Mammary Gland		Cyst	Mild
* Nose		Foreign Body	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
[Adenoma TGLS = 2-23]			
[Angiectasis TGLS = 2-23]			
* Prostate		Inflammation	Chronic, Moderate
* Skin	Subcut Tiss	Neural Crest Tumor	
[Neural Crest Tumor TGLS = 5-22]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 6-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 525

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97055

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Compression

Animal Note: TGL5 IS ENTERED AS SKIN INSTEAD OF EYELID

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
		Hypertrophy	Focal, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-10]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-10]			
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3]			
[Leukemia Mononuclear TGLS = 3-22]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-5]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 32	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 MG/L	DISP: Terminal Sacrifice	HISTO: 97056

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Cyst	Mild
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-1]		
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 10-21]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Stomach, Forestomach		Edema	Minimal
	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 701

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	Minimal
		Nephropathy	Minimal
[Cyst TGLS = 8-5]			
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
[Hepatodiaphragmatic Nodule TGLS = 9-24]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 2-22,3-23]			
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Prostate		Inflammation	Chronic, Minimal
* Skin		Squamous Cell Papilloma	
		Trichoepithelioma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 701

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97058

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Papilloma TGLS = 10-25]

[Trichoepithelioma TGLS = 1-21]

* Testes

Bilateral, Interstit Cell

Adenoma

Germinal Epith

Atrophy

Mild

[Adenoma TGLS = 4-7]

[Atrophy TGLS = 5-7]

PRIMARY CAUSE OF DEATH

- Skin Trichoepithelioma

Animal Note: TGL2, TISSUE NOS, IS ENTERED AS MESENTERY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
Note: ECTASIA ACCOMPANIES THE HYPERPLASIA OF THE MEDIASTINAL NODE [Hyperplasia TGLS = 4-3,5-21]			
* Nose		Inflammation	Chronic, Moderate
Note: FUNGAL ORGANISMS ARE PRESENT IN THE NASAL CAVITY			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Prostate		Inflammation	Chronic, Mild
[Inflammation TGLS = 3-7-1]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 504

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
		Thrombosis	Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
Note: SLIGHT CONGESTION IS PRESENT IN THE PANCREATIC AND MEDIASTINAL NODES			
[Hyperplasia TGLS = 4-3]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-21]			
* Prostate		Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
* Testes	Germinal Epith	Atrophy	Minimal

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 668

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 3-1]			
[Angiectasis TGLS = 3-1]			
* Stomach, Glandular		Edema	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland		Ultimobranchial Cyst	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hypertrophy	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 647

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97064

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Minimal
* Prostate		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 3-7]

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: THIS ANIMAL IS BELIEVED TO BE ANEMIC BUT THE ETIOLOGY OF THE ANEMIA IS UNDETERMINED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97065

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	Minimal
	Bile Duct	Hyperplasia	Mild
	[Clear Cell Focus TGLS = 7-25]		
	[Hepatodiaphragmatic Nodule TGLS = 4-23]		
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Cyst	Minimal
	[Cyst TGLS = 1-8]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 3-22]		
* Pancreas	Acinus	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
	[Hyperplasia TGLS = 6-1]		
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Skin		Trichoepithelioma	
	[Trichoepithelioma TGLS = 5-24]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97065

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 8-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97066

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Edema	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Clear Cell Focus Hyperplasia Inflammation	Minimal Chronic, Minimal
[Clear Cell Focus TGLS = 2-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 4-2]			
* Nose	Nasolacrim Dct	Cyst	Mild
Note: THE CYST IS BELIEVED TO BE SIMILAR TO THAT DESCRIBED ON PAGE 256 IN PATHOLOGY OF THE FISCHER RAT			
[Cyst TGLS = 5-9-1]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 3-1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	Follicle	Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97066

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	Tissue NOS	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Pheochromocytoma Malignant	
Note: MORPHOLOGICALLY CONSISTENT WITH PHEOCHROMOCYTOMA MALIGNANT RATHER THAN CHEMODECTOMA.			
Note: THE TWO SECTIONS OF ADRENAL GLAND ACTUALLY HAVE INSUFFICIENT AMOUNTS OF MEDULLARY TISSUE TO REVIEW. HOWEVER, THE LARGE MESENTERIC MASS, TGLS 3-22, IS			
[Pheochromocytoma Malignant TGLS = 3-22]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
[Clear Cell Focus TGLS = 4-23]			
* Lung		Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 5-3]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 6-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97067

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 6-1]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-21]			
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Mild
[Adenoma TGLS = 2-7]			
* Thyroid Gland	Follicle C Cell	Cyst Hyperplasia	Minimal Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
* Lung		Inflammation	Chronic, Minimal
* Nose		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 1-7]	
* Thyroid Gland	Follicle	Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
[Hemorrhage TGLS = 2-2]			
* Mammary Gland		Cyst	Minimal
* Pancreas		Atrophy	Minimal
	Acinus	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	Follicle	Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 637

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Note: ECTASIA ACCOMPANIES THE LEUKEMIA IN THE MEDIASTINAL AND DEEP CERVICAL NODES		
	[Leukemia Mononuclear TGLS = 7-21]		
	[Leukemia Mononuclear TGLS = 6-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-5]		
* Nose		Foreign Body	Mild
		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Moderate
	[Inflammation TGLS = 2-8]		
* Prostate		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 637

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97070

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Fibroma TGLS = 9-23]	Subcut Tiss	Fibroma	
* Spleen [Hematopoietic Cell Proliferation TGLS = 3-6] [Leukemia Mononuclear TGLS = 3-6]		Hematopoietic Cell Proliferation Leukemia Mononuclear	Mild
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	
Zymbal's Gland [Carcinoma TGLS = 8-22]		Carcinoma	

PRIMARY CAUSE OF DEATH - Zymbal's Gland Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 3-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Pancreas	Acinus	Hyperplasia	Focal, Minimal
	Note: A DIAGNOSIS OF MIXED TUMOR BENIGN WAS CONSIDERED FOR THE PANCREAS		
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Minimal
	Pars Distalis	Cyst	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97071

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 586

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	Peripheral Nerve
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	Skeletal Muscle
* Skin	Spinal Cord	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 7-21]		
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-7]		
	[Leukemia Mononuclear TGLS = 9-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-22]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 48	TRT#: 1 DOSE: 0 MG/L	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 586 HISTO: 97072
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ORGAN AND ACCOUNTABLE SITE STATUS			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Prostate		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
* Stomach, Glandular		Edema	Mild
		Erosion	Moderate
[Erosion TGLS = 10-4]			
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Minimal
[Adenoma TGLS = 3-7]			
[Atrophy TGLS = 5-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 692

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Seminal Vesicle	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Leukemia Mononuclear	
		Nephropathy	Moderate
[Leukemia Mononuclear TGLS = 9-5]			
* Liver		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 11-23]			
[Leukemia Mononuclear TGLS = 10-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-3]			
[Leukemia Mononuclear TGLS = 2-22]			
[Leukemia Mononuclear TGLS = 5-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 49	TRT#: 1 DOSE: 0 MG/L	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 692 HISTO: 97073
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ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 8-25]		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland [Hyperplasia TGLS = 14-1]	Pars Distalis	Hyperplasia Leukemia Mononuclear	Focal, Mild
* Prostate		Inflammation	Chronic, Minimal
* Salivary Glands		Leukemia Mononuclear	
* Skin [Cyst Epithelial Inclusion TGLS = 1-21] [Hyperplasia TGLS = 13-24] [Inflammation TGLS = 13-24]		Cyst Epithelial Inclusion Hyperplasia Inflammation	Moderate Mild Chronic, Mild
* Spleen [Leukemia Mononuclear TGLS = 6-6,7-6]		Leukemia Mononuclear	
* Stomach, Forestomach [Ulcer TGLS = 15-4]		Edema Leukemia Mononuclear Ulcer	Moderate Moderate
* Stomach, Glandular		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 3-7] [Atrophy TGLS = 4-7]	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Moderate
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicle	Cyst	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL1 IS ENTERED AS SKIN INSTEAD OF MAMMARY GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 52

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Hepatodiaphragmatic Nodule	Minimal
	Bile Duct	Hyperplasia	Moderate
	[Clear Cell Focus TGLS = 5-6]		
	[Hepatodiaphragmatic Nodule TGLS = 6-23]		
* Lung		Carcinoma	Metastatic (Thyroid Gland)
		Infiltration Cellular	Histiocyte, Minimal
	Note: THE METASTATIC LESION CONSIST OF FEWER THAN 50 CELLS AND IS LOCATED ADJACENT TO THE PLEURA		
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	
	[Cyst TGLS = 3-8]		
	[Fibroadenoma TGLS = 1-21]		
* Pancreas		Atrophy	Minimal
* Prostate		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 52

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97076

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Fibroma TGLS = 2-22]	Subcut Tiss	Fibroma
* Testes [Adenoma TGLS = 4-7]	Bilateral, Interstit Cell	Adenoma
* Thyroid Gland	C Cell	Carcinoma

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2 IS ENTERED AS SKIN INSTEAD OF MAMMARY GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 55

TRT#: 1

SEX: Male

DAY ON TEST: 679

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
		Thrombosis	Moderate
	[Thrombosis TGLS = 10-12]		
* Kidney		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Marked
	Centrilobular	Leukemia Mononuclear	
		Necrosis	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 8-21]		
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
	Pancreatic	Leukemia Mononuclear	
	[Hyperplasia TGLS = 9-3]		
	[Leukemia Mononuclear TGLS = 4-7]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 55

TRT#: 1

SEX: Male

DAY ON TEST: 679

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97079

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-5]

* Pancreas	Atrophy	Minimal
* Preputial Gland	Cyst	Moderate
* Prostate	Inflammation	Chronic, Minimal
* Spleen	Leukemia Mononuclear	

[Leukemia Mononuclear TGLS = 2-6]

* Testes	Bilateral, Interstit Cell	Adenoma
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[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 56

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Degeneration	Cystic, Minimal
		Hyperplasia	Moderate
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 5-22]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	
		Hyperplasia	Minimal
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 9-24]			
[Hyperplasia TGLS = 2-21]			
* Nose		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 7-1,8-1]			
[Angiectasis TGLS = 7-1,8-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 56

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97080

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic, Minimal
* Skin		Hyperplasia	Moderate
[Hyperplasia TGLS = 6-23]			
* Spleen		Fibrosis	Minimal
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
[Adenoma TGLS = 3-7]			
[Atrophy TGLS = 4-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 9 IS ENTERED AS SKIN INSTEAD OF MAMMARY GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 58

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Harderian Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Moderate
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 1-7]	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 59

TRT#: 1

SEX: Male

DAY ON TEST: 614

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 97083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Minimal
* Brain		Compression	Marked
[Compression TGLS = 3-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Moderate
[Cyst TGLS = 1-8,2-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
[Adenoma TGLS = 4-1]			
[Angiectasis TGLS = 4-1]			
* Prostate		Inflammation	Chronic, Mild
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 5-4]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 59

TRT#: 1

SEX: Male

DAY ON TEST: 614

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 97083

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 61

TRT#: 1

SEX: Male

DAY ON TEST: 703

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Pituitary Gland
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OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Marked
	Centrilobular	Leukemia Mononuclear	
		Necrosis	Minimal
		[Leukemia Mononuclear TGLS = 6-6]	
* Lung		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
		[Necrosis TGLS = 5-21]	
* Pancreas		Atrophy	Minimal
* Prostate		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-6]	
* Stomach, Glandular		Edema	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
		[Adenoma TGLS = 1-7]	
		[Atrophy TGLS = 2-7]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 61

TRT#: 1

SEX: Male

DAY ON TEST: 703

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97085

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 62

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Marked
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
[Alveolar/Bronchiolar Adenoma TGLS = 4-22]			
[Infiltration Cellular TGLS = 5-22]			
[Leukemia Mononuclear TGLS = 5-2]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 62

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97086

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Mild
* Skin		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 1-21]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 6-7]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 63

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	Marked
	[Compression TGLS = 3-1]		
* Harderian Gland		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 2-21]	Hyperplasia	Minimal
* Lung		Alveolar/Bronchiolar Carcinoma	
* Mammary Gland		Cyst	Minimal
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
	[Adenoma TGLS = 4-22]		
	[Angiectasis TGLS = 4-22]		
* Preputial Gland		Cyst	Minimal
* Prostate		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 63

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97087

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 1-7]	Interstit Cell	Adenoma	
* Thyroid Gland	Follicular Cel C Cell	Adenoma Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 64

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Edema	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Hepatocellular Adenoma TGLS = 10-26]		
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-7]		
	[Leukemia Mononuclear TGLS = 7-21]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 64

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97088

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland

Adenoma

* Skin

Trichoepithelioma

[Trichoepithelioma TGLS = 8-22]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-23]

* Stomach, Glandular

Erosion

Mild

[Erosion TGLS = 9-25]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

Animal Note: A SAMPLE OF NORMAL MESENTERY ON SLIDE 21 WAS SUBMITTED FOR ONCOGENE ANALYSIS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 65

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
[Clear Cell Focus TGLS = 5-6]			
[Degeneration TGLS = 5-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Minimal
Note: A HYPERPLASTIC LESION IS ON SLIDE 2 AND A NEOPLASTIC LESION IS ON SLIDE 22			
[Alveolar/Bronchiolar Adenoma TGLS = 6-22]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-5]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 65

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97089

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Cyst	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
	[Cyst TGLS = 7-1]		
	[Hyperplasia TGLS = 7-1]		
* Prostate		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thyroid Gland	Follicle	Cyst	Minimal
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: A SAMPLE OF NORMAL MESENTERY FROM SLIDE 21 IS SUBMITTED FOR ONCOGENE ANALYSIS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 66

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
--------------------------	---------------------

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Edema	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
[Hyperplasia TGLS = 4-6]			
* Lung		Inflammation	Chronic, Minimal
* Mammary Gland		Cyst	Mild
		Hyperplasia	Mild
[Cyst TGLS = 3-22]			
[Hyperplasia TGLS = 3-22]			
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 7-1]			
[Angiectasis TGLS = 7-1]			
* Preputial Gland		Cyst	Mild
[Cyst TGLS = 2-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 66

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97090

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic, Minimal
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
	[Adenoma TGLS = 8-7]		
	[Atrophy TGLS = 9-7]		
* Thyroid Gland	Follicular Cel	Carcinoma	
	[Carcinoma TGLS = 6-3]		

PRIMARY CAUSE OF DEATH

-

Animal Note: A SAMPLE OF NORMAL MESENTERY IS SUBMITTED FOR ONCOGENE ANALYSIS AND IS REPRESENT ED ON SLIDE 21

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 97091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 4-10]			
* Adrenal Medulla		Hyperplasia	Moderate
* Brain		Compression	Moderate
		Hemorrhage	Mild
[Compression TGLS = 6-1]			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Moderate
Lymph Node	Deep Cervical	Hemorrhage	Mild
[Hemorrhage TGLS = 8-21]			
* Mammary Gland		Cyst	Minimal
[Cyst TGLS = 3-8]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
[Adenoma TGLS = 7-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 97091

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 7-1]

* Prostate

Inflammation

Chronic, Moderate

[Inflammation TGLS = 2-7-1]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Mammary Gland
* Nose	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Clear Cell Focus TGLS = 1-21]			
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 4-7]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 3-5]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Adenoma	
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-22]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97092

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 7-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	Follicle	Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2 IS ENTERED AS SKIN INSTEAD OF MAMMARY GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 631

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97095

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Edema	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Leukemia Mononuclear TGLS = 8-6]		
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 11-2]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-3]		
	[Leukemia Mononuclear TGLS = 6-7]		
* Lymph Node, Mandibular		Leukemia Mononuclear	

Note: THE MANDIBULAR NODE IS REALLY PRESENT AND IS ON SLIDE 8 INSTEAD OF SLIDE 5 AS INDICATED BY TGL 9

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 631

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97095

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 9-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-5]			
* Mammary Gland		Cyst	Minimal
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 12-1]			
[Angiectasis TGLS = 12-1]			
* Spleen		Leukemia Mononuclear	
		Necrosis	Moderate
[Leukemia Mononuclear TGLS = 4-21]			
[Necrosis TGLS = 3-21,5-21]			
* Stomach, Forestomach		Edema	Mild
	Epithelium	Hyperplasia	Mild
* Stomach, Glandular		Erosion	Minimal
[Erosion TGLS = 13-4]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL5, TISSUE NOS, IS ENTERED AS SPLEEN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 668

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign Pheochromocytoma Malignant	
Note: NECROSIS AND INFLAMMATION ACCOMPANY THE ADRENAL NEOPLASIA			
[Pheochromocytoma Benign TGLS = 7-10]			
[Pheochromocytoma Malignant TGLS = 6-10]			
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Inflammation	Marked
Note: THE INFLAMMATORY REACTION IN THE COLON MAY BE AN EXTENSION FROM THE INFLAMMATION IN THE PROSTATE			
Note: NECROSIS AND GRANULATION TISSUE ACCOMPANY THE INFLAMMATORY PROCESS IN THE COLON			
[Inflammation TGLS = 14-23]			
* Kidney		Nephropathy	Moderate
* Liver		Hepatodiaphragmatic Nodule	Minimal
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
[Hepatodiaphragmatic Nodule TGLS = 13-22]			
[Leukemia Mononuclear TGLS = 12-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 668

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97096

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 10-7,11-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-5]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-21]			
* Pancreas		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-7,11-7]			
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Minimal
* Prostate		Inflammation	Chronic, Marked
* Skin		Cyst Epithelial Inclusion	Minimal
[Cyst Epithelial Inclusion TGLS = 16-24]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Stomach, Forestomach		Edema	Mild
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 17-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Minimal
[Adenoma TGLS = 1-7]			
[Atrophy TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Prostate Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97097

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	Peripheral Nerve
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Eye		Cataract	Moderate
[Cataract TGLS = 7-44,8-44]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
[Clear Cell Focus TGLS = 3-6]			
[Hepatodiaphragmatic Nodule TGLS = 4-21,5-22]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 6-23]			
* Pancreas		Atrophy	Mild
	Acinus	Hyperplasia	Focal, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Prostate		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97097

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Interstit Cell

Adenoma

Moderate

Germinal Epith

Atrophy

[Adenoma TGLS = 1-7]

[Atrophy TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 74

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 8-22]		
	[Leukemia Mononuclear TGLS = 7-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-2]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-5]		
* Pancreas		Atrophy	Mild
* Prostate		Inflammation	Chronic, Minimal
* Skin	Subcut Tiss	Lipoma	
	[Lipoma TGLS = 1-21]		
* Spleen		Fibrosis	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 76

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Minimal
* Prostate		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 77

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Focal, Minimal
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		Leukemia Mononuclear	
Lymph Node	Mediastinal		
[Leukemia Mononuclear TGLS = 6-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-5]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-21]			
* Pancreas		Atrophy	Minimal
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 77

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97101

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	Follicle	Cyst	Minimal
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 7-22]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 6-3]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 10-5]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-24]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 9-1]			
[Angiectasis TGLS = 9-1]			
* Prostate		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97103

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Cyst Epithelial Inclusion	Moderate
	Subcut Tiss	Fibroma	
		Squamous Cell Papilloma	Multiple
	[Cyst Epithelial Inclusion TGLS = 3-23]		
	[Fibroma TGLS = 7-25]		
	[Squamous Cell Papilloma TGLS = 1-21,8-26]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 4-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 80

TRT#: 3

SEX: Male

DAY ON TEST: 618

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Malignant	Mild
[Pheochromocytoma Malignant TGLS = 7-22]			
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-5]			
* Mammary Gland		Cyst	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Adenoma	
[Adenoma TGLS = 2-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 80

TRT#: 3

SEX: Male

DAY ON TEST: 618

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97104

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation Leukemia Mononuclear	Mild
[Hematopoietic Cell Proliferation TGLS = 3-6]			
[Leukemia Mononuclear TGLS = 3-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 9-3]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Preputial Gland Adenoma

Animal Note: TGL7, DESCRIBED AS LEFT RENAL NODE IS ENTERED AS ADRENAL GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Compression	Moderate
[Compression TGLS = 5-1]			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Adenoma	
[Adenoma TGLS = 3-21]			
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Marked
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 6-3]			
* Mammary Gland		Cyst	Mild
[Cyst TGLS = 1-8]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
[Adenoma TGLS = 4-1]			
[Angiectasis TGLS = 4-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97106

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 2-7]			
* Thyroid Gland	Follicle	Cyst	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 671

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 97107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
	[Hepatodiaphragmatic Nodule TGLS = 8-21]		
	[Leukemia Mononuclear TGLS = 7-6]		
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 9-2]		
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-7]		
	[Leukemia Mononuclear TGLS = 10-22]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 83	TRT#: 3 DOSE: 250 MG/L	SEX: Male DISP: Natural Death	DAY ON TEST: 671 HISTO: 97107
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ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-5]			
* Mammary Gland		Cyst	Minimal
* Pancreas		Atrophy	Marked
Note: ONE SMALL DUCT APPEARS TO CONTAIN KERATINIZED MATERIAL			
* Pituitary Gland	Pars Distalis Pars Distalis	Adenoma Angiectasis	Mild
[Adenoma TGLS = 11-1]			
[Angiectasis TGLS = 11-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 12-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	Follicle	Cyst	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL10 IS ENTERED AS DEEP CERVICAL LYMPH NODE INSTEAD OF JUST CERVICAL

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
		Hypertrophy	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLS = 5-10]		
* Brain		Compression	Moderate
	[Compression TGLS = 10-1]		
* Kidney		Nephropathy	Marked
	[Nephropathy TGLS = 7-5]		
* Liver		Angiectasis	Minimal
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Angiectasis TGLS = 6-22]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-3]		
	[Leukemia Mononuclear TGLS = 9-23]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97109

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Cyst	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-21]			
* Pancreas	Acinus	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
[Adenoma TGLS = 11-1]			
[Angiectasis TGLS = 11-1]			
* Prostate		Inflammation	Chronic, Mild
[Inflammation TGLS = 2-7-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia Inflammation Leukemia Mononuclear Necrosis	Moderate Chronic, Mild Focal, Minimal
[Leukemia Mononuclear TGLS = 3-6]			
* Lung	Alveolar Epith	Alveolar/Bronchiolar Adenoma Hyperplasia Infiltration Cellular Leukemia Mononuclear	Mild Histiocyte, Minimal
Note: A HYPERPLASTIC LESION IS PRESENT ON SLIDE 2			
[Alveolar/Bronchiolar Adenoma TGLS = 4-2-1]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-5]			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 86	TRT#: 3 DOSE: 250 MG/L	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 97110
ORGAN AND ACCOUNTABLE SITE STATUS			
[Adenoma TGLS = 6-1] [Angiectasis TGLS = 6-1]	Pars Distalis	Angiectasis	Mild
* Preputial Gland		Inflammation	Chronic, Moderate
* Spleen [Leukemia Mononuclear TGLS = 2-6]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	Peripheral Nerve
Peritoneum	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Eye		Cataract	Mild
[Cataract TGLS = 7-44]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
[Clear Cell Focus TGLS = 4-23]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
	Pancreatic	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 5-3]			
[Hyperplasia TGLS = 9-7]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 8-5]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-21]			
* Prostate		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97111

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin

Subcut Tiss

Fibroma

[Fibroma TGLS = 6-24]

* Spleen

Note: TGL3, ABNORMAL FISSURES AND LOBULATIONS ARE NOT ROUTINELY TABULATED

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 596

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Parathyroid Gland	Peripheral Nerve	* Salivary Glands	* Seminal Vesicle
Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Brain		Compression	Marked
[Compression TGLS = 2-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
* Mammary Gland		Cyst	Moderate
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
[Adenoma TGLS = 3-1]			
[Angiectasis TGLS = 3-1]			
* Preputial Gland		Adenoma	
Note: ADENOMA IS BELIEVED TO BE UNILATERAL AND ADJACENT TO CYSTIC MAMMARY TISSUE CAUSING BILATERAL APPEARANCE			
[Adenoma TGLS = 1-22]			
* Prostate		Inflammation	Chronic, Moderate
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 5-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 596

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97112

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Germinal Epith	Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: TGL5 IS ENTERED AS SKIN INSTEAD OF MAMMARY GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 540

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Diffuse, Mild
Note: THE DIFFUSE HYPERPLASIA IS ACCOMPANIED BY EXTENSIVE CYTOPLASMIC VACUOLIZATION			
[Hyperplasia TGLS = 1-10]			
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Fibrosarcoma	Metastatic (Mesentery)
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 7-5]			
* Liver		Degeneration	Cystic, Minimal
		Hepatodiaphragmatic Nodule	Minimal
	Bile Duct	Hyperplasia	Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-22]			
Mesentery		Fibrosarcoma	
[Fibrosarcoma TGLS = 4-23]			
* Pancreas		Fibrosarcoma	Metastatic (Mesentery)
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Minimal
* Prostate		Inflammation	Chronic, Moderate
Skeletal Muscle		Fibrosarcoma	Metastatic (Mesentery)
[Fibrosarcoma TGLS = 2-21]			
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 540

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97113

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

Edema

Mild

Ulcer

Moderate

[Ulcer TGLS = 5-4]

* Stomach, Glandular

Edema

Mild

Ulcer

Minimal

PRIMARY CAUSE OF DEATH

- Mesentery Fibrosarcoma

Animal Note: TGL6, NODULE ON THE PENIS, APPEARS TO BE ADIPOSE TISSUE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 637

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone	Cranium	Osteopetrosis	Minimal
[Osteopetrosis TGLS = 9-21]			
* Bone Marrow		Myelofibrosis	Minimal
* Heart		Cardiomyopathy	Mild
		Thrombosis	Marked
[Thrombosis TGLS = 7-12]			
* Kidney		Nephropathy	Mild
* Liver		Amyloid Deposition	Minimal
		Degeneration	Cystic, Minimal
	Centrilobular	Necrosis	Moderate
[Amyloid Deposition TGLS = 3-6]			
[Necrosis TGLS = 3-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 8-2]			
Lymph Node	Pancreatic	Amyloid Deposition	Moderate
[Amyloid Deposition TGLS = 4-7]			
* Pancreas		Atrophy	Minimal
* Prostate		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 637

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97114

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Amyloid Deposition	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
	[Amyloid Deposition TGLS = 5-6]		
* Stomach, Glandular		Erosion	Mild
	[Erosion TGLS = 10-4]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		

PRIMARY CAUSE OF DEATH - Heart Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 555

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 97115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Skin	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum * Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Mesothelioma Malignant	
* Bone Marrow		Hyperplasia	Mild
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Minimal
		Thrombosis	Mild
	[Thrombosis TGLS = 9-12]		
* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
	Centrilobular	Mesothelioma Malignant	
	Alveolar Epith	Necrosis	Minimal
* Lung		Hyperplasia	Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
	[Hemorrhage TGLS = 8-3]		
* Lymph Node, Mesenteric		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 6-5]		
Mesentery		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 3-21]		
* Pancreas		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 555

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 97115

ORGAN AND ACCOUNTABLE SITE STATUS

Peritoneum [Mesothelioma Malignant TGLS = 4-22]	Mesothelioma Malignant	
* Prostate	Inflammation Mesothelioma Malignant	Chronic, Minimal
* Seminal Vesicle	Mesothelioma Malignant	
* Spleen	Hematopoietic Cell Proliferation Mesothelioma Malignant	Moderate
* Stomach, Forestomach	Mesothelioma Malignant	
* Stomach, Glandular	Mesothelioma Malignant	
* Testes Bilateral, Interstit Cell	Adenoma Mesothelioma Malignant	
[Adenoma TGLS = 2-7]		
* Thymus		

Note: TGL7, MILD HEMORRHAGE OF THE THYMUS IS PRESENT ON SLIDE 3 BUT NOT TABULATED

PRIMARY CAUSE OF DEATH - Mesentery Mesothelioma Malignant

Animal Note: TGL4 IS ENTERED AS PERITONEUM INSTEAD OF SKELETAL MUSCLE

Animal Note: THE SMALL SECTION OF MESOTHELIOMA ON SLIDE 3 IS NOT ATTACHED AND IS NOT TABULATE D

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 92

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Harderian Gland		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Angiectasis	Minimal
		Clear Cell Focus	
		Degeneration	Cystic, Mild
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 8-6-1]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Minimal
	[Hemorrhage TGLS = 4-3]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
	[Hyperplasia TGLS = 7-8-1]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
	[Hyperplasia TGLS = 6-5]		
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	[Adenoma TGLS = 5-1]		
	[Angiectasis TGLS = 5-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 92

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97116

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland

[Cyst TGLS = 1-8]

Cyst

Minimal

* Testes

[Adenoma TGLS = 2-7]

Bilateral, Interstit Cell

Adenoma

* Thyroid Gland

[Adenoma TGLS = 3-3]

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 7-22]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
	[Hyperplasia TGLS = 6-5]		
* Mammary Gland		Cyst	Minimal
Mesentery		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 2-21]		
Peritoneum		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 2-21]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 94	TRT#: 3 DOSE: 250 MG/L	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: 97118
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 3-1]			
[Angiectasis TGLS = 3-1]			
* Preputial Gland		Adenoma	
		Cyst	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
		Mesothelioma Malignant	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2, TISSUE NOS, IS ENTERED AS MESENTERY AND PERITONEUM

Animal Note: SAMPLE OF SLIDE 21 IS SUBMITTED FOR ONCOGENE ANALYSIS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 609

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Infarct	Mild
		Leukemia Mononuclear	
[Infarct TGLS = 5-22]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7]			
[Leukemia Mononuclear TGLS = 7-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-5]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 609

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97119

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Cyst	Minimal
* Pituitary Gland		Leukemia Mononuclear	
* Prostate		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
[Hyperplasia TGLS = 8-4]			
* Stomach, Glandular		Edema	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 668

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
	Centrilobular	Leukemia Mononuclear	
		Necrosis	Minimal
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-7]		
	[Leukemia Mononuclear TGLS = 6-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 668

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97121

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Angiectasis

Mild

[Adenoma TGLS = 7-1]

* Spleen

Leukemia Mononuclear

Note: THE SPLEEN IS ON SLIDE 21 INSTEAD OF SLIDE 6 AS LISTED ON THE IANR

[Leukemia Mononuclear TGLS = 4-21]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

* Thyroid Gland

C Cell

Hyperplasia

Mild

Ultimobranchial Cyst

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 525

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fibrosarcoma	Metastatic (Spleen)
	Bile Duct	Hyperplasia	Minimal
[Fibrosarcoma TGLS = 4-24]			
* Lymph Node, Mesenteric		Fibrosarcoma	Metastatic (Spleen)
Mesentery		Fibrosarcoma	Metastatic (Spleen)
[Fibrosarcoma TGLS = 3-21,3-23]			
* Pancreas		Atrophy	Moderate
		Fibrosarcoma	Metastatic (Spleen)
[Atrophy TGLS = 7-7]			
* Prostate		Inflammation	Chronic, Moderate
* Seminal Vesicle		Fibrosarcoma	Metastatic (Spleen)
Skeletal Muscle		Fibrosarcoma	Metastatic (Spleen)
[Fibrosarcoma TGLS = 5-25,6-26]			
* Spleen		Fibrosarcoma	
[Fibrosarcoma TGLS = 3-22]			
* Stomach, Forestomach		Edema	Minimal
		Ulcer	Mild
[Ulcer TGLS = 9-4]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 525

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97122

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH	- Spleen Fibrosarcoma		

Animal Note: OSSEOUS METAPLASIA IS PROMINENT IN THE NEOPLASTIC PROCESS

Animal Note: TGL5, TISSUE NOS, IS ENTERED AS SKELETAL MUSCLE

Animal Note: THE NEOPLASTIC PROCESS INVOLVED MULTIPLE MESENTERIC ATTACHMENTS

Animal Note: TGL3, LARGEST MASS ON SLIDE 22 IS BELIEVED TO BE SPLEEN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 576

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 97123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum
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OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 3-3]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 549

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-2,9-2-1]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-3]		
	[Leukemia Mononuclear TGLS = 3-7]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-5]		
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 549

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97124

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Leukemia Mononuclear	
* Prostate		Leukemia Mononuclear	
* Skin		Inflammation	Chronic, Mild
	[Squamous Cell Papilloma TGLS = 10-21]	Squamous Cell Papilloma	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Minimal
	[Adenoma TGLS = 2-7]		
	[Atrophy TGLS = 1-7]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
		Ultimobranchial Cyst	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL 10 IS ENTERED AS SKIN INSTEAD OF NOSE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 101

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Degeneration	Cystic, Moderate
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 7-3]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 8-5]			
* Mammary Gland		Cyst	Minimal
* Nose		Foreign Body	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 101

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97125

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Inflammation	Chronic, Minimal
	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 6-1]			
[Angiectasis TGLS = 6-1]			
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 5-21]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
[Adenoma TGLS = 2-7]			
[Atrophy TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 103

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Adenoma	
[Adenoma TGLS = 7-4]			
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 4-3]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 5-5]			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 1-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 103

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97127

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
		Mesothelioma Malignant	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: SAMPLE OF SLIDE 21 WAS SENT FOR ONCOGENE ANALYSIS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 107

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia	Minimal Focal, Minimal
[Accessory Adrenal Cortical Nodule TGLS = 4-10]			
* Adrenal Medulla		Hyperplasia	Minimal
* Bone	Cranium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 6-21]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia Inflammation	Moderate Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Nose		Foreign Body Inflammation	Minimal Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-22]			
* Prostate	Epithelium	Hyperplasia Inflammation	Minimal Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 107

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97131

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Moderate
[Adenoma TGLS = 2-7]			
[Atrophy TGLS = 3-7]			
* Thyroid Gland	C Cell Follicular Cel C Cell	Adenoma Adenoma Hyperplasia	Moderate
[Adenoma TGLS = 5-3]			
[Adenoma TGLS = 5-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 108

TRT#: 3

SEX: Male

DAY ON TEST: 713

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Thrombosis	Marked
	[Thrombosis TGLS = 11-12]		
* Kidney		Infarct	Mild
		Nephropathy	Mild
	[Infarct TGLS = 10-5]		
	[Nephropathy TGLS = 10-5]		
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Leukemia Mononuclear TGLS = 8-6]		
* Lung		Leukemia Mononuclear	
* Pancreas		Atrophy	Marked
	[Atrophy TGLS = 6-7]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 108	TRT#: 3	SEX: Male	DAY ON TEST: 713
	DOSE: 250 MG/L	DISP: Moribund Sacrifice	HISTO: 97132

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
[Hyperplasia TGLS = 13-1]			
[Leukemia Mononuclear TGLS = 13-1]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 2-22]			
* Prostate		Inflammation	Chronic, Mild
Skeletal Muscle		Hemangioma	
[Hemangioma TGLS = 14-24]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 3-23]			
* Stomach, Glandular		Erosion	Marked
[Erosion TGLS = 15-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Minimal
Note: AMYLOID MAY BE PRESENT IN THE THYROID TUMOR			
[Adenoma TGLS = 12-3]			
[Adenoma TGLS = 12-3]			

PRIMARY CAUSE OF DEATH - Heart Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 109

TRT#: 3

SEX: Male

DAY ON TEST: 666

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 97133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Brain		Compression	Moderate
		Hemorrhage	Mild
[Compression TGLS = 4-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 3-3]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
[Adenoma TGLS = 5-1]			
[Angiectasis TGLS = 5-1]			
* Prostate		Inflammation	Chronic, Moderate
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 7-21]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 109

TRT#: 3

SEX: Male

DAY ON TEST: 666

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 97133

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 110

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
* Lung	Bile Duct	Hyperplasia	Moderate
	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 3-7]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Minimal
* Preputial Gland		Cyst	Mild
[Cyst TGLS = 1-8]			
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 4-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 110

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97134

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 112

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Preputial Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Epididymis		Hyperplasia	Mesothelium, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 2-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Minimal
* Prostate		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	Follicle	Cyst	Minimal
	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 112

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97136

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 113

TRT#: 3

SEX: Male

DAY ON TEST: 679

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Brain		Compression	Moderate
[Compression TGLS = 6-1]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
Note: ISLET CELL ADENOMA HAS ENTRAPPED ASCINAR CELLS SIMILAR TO A MIXED TUMOR			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
[Hepatodiaphragmatic Nodule TGLS = 3-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Minimal
[Hemorrhage TGLS = 5-3]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
* Mammary Gland		Cyst	Mild
[Cyst TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
[Adenoma TGLS = 7-1]			
[Angiectasis TGLS = 7-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 113

TRT#: 3

SEX: Male

DAY ON TEST: 679

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97137

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic, Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-21]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: TGL2 IS ENTERED AS SKIN INSTEAD OF MAMMARY GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 115

TRT#: 3

SEX: Male

DAY ON TEST: 694

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Epididymis		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 2-7-1]		
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Marked
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Moderate
	[Hepatodiaphragmatic Nodule TGLS = 8-23]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Minimal
	[Hemorrhage TGLS = 9-3]		
Mesentery		Mesothelioma Malignant	
	Fat	Necrosis	Mild
	[Mesothelioma Malignant TGLS = 3-21]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 16:40:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 115	TRT#: 3 DOSE: 250 MG/L	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 694 HISTO: 97139
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ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 4-22]			
* Nose	Nasolacrim Dct	Cyst Foreign Body Inflammation	Marked Minimal Chronic, Minimal
Note: THE LESION IS SIMILAR TO THE CYST OF THE NASOLACRIMAL DUCT DESCRIBED ON PAGE 256 IN PATHOLOGY OF THE FISCHER RAT			
[Cyst TGLS = 11-24]			
* Prostate		Inflammation	Chronic, Mild
[Inflammation TGLS = 5-7-1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	Follicle C Cell	Cyst Hyperplasia	Minimal Minimal

PRIMARY CAUSE OF DEATH - Nose Nasolacrim Dct Cyst

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 116

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hypertrophy	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
[Adenoma TGLS = 4-1]			
[Angiectasis TGLS = 4-1]			
* Prostate		Inflammation	Chronic, Minimal
* Spleen		Fibrosarcoma	
[Fibrosarcoma TGLS = 3-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 116

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97140

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1 IS ENTERED AS MAMMARY GLAND INSTEAD OF SKIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 118

TRT#: 3

SEX: Male

DAY ON TEST: 618

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Marked
[Compression TGLS = 8-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-7]			
[Leukemia Mononuclear TGLS = 6-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-5]			
* Mammary Gland		Cyst	Moderate
[Cyst TGLS = 1-8]			
Mesentery	Fat	Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 118

TRT#: 3

SEX: Male

DAY ON TEST: 618

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97142

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 2-21]

* Nose

Foreign Body

Minimal

Inflammation

Chronic, Minimal

* Pancreas

Atrophy

Minimal

* Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Angiectasis

Marked

[Adenoma TGLS = 9-1]

[Angiectasis TGLS = 9-1]

* Prostate

Inflammation

Chronic, Minimal

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-6]

* Stomach, Glandular

Edema

Mild

Ulcer

Mild

[Edema TGLS = 10-4]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 119

TRT#: 3

SEX: Male

DAY ON TEST: 609

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 97143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone	Cranium	Osteopetrosis	Mild
	[Osteopetrosis TGLS = 9-25]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hepatodiaphragmatic Nodule	Mild
	[Hepatodiaphragmatic Nodule TGLS = 2-21]	Hyperplasia	Minimal
* Mammary Gland		Cyst	Minimal
Mesentery		Fibrosarcoma	
	[Fibrosarcoma TGLS = 4-22,5-23,6-24]		
* Pancreas		Atrophy	Mild
		Fibrosarcoma	Metastatic (Mesentery)
	[Fibrosarcoma TGLS = 8-7]		
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	[Adenoma TGLS = 7-1]		
	[Angiectasis TGLS = 7-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 119

TRT#: 3

SEX: Male

DAY ON TEST: 609

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 97143

ORGAN AND ACCOUNTABLE SITE STATUS

Skeletal Muscle		Fibrosarcoma	Metastatic (Mesentery)
Note: SKELETAL MUSCLE IS PRESENT ON SLIDE 23 AND HAS A METASTATIC LESION IN A LYMPHATIC			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Interstit Cell	Adenoma	
Note: ONE OF PAIR MISSING [Adenoma TGLS = 1-7]			
* Thyroid Gland	Follicle	Cyst	Minimal

PRIMARY CAUSE OF DEATH - Mesentery Fibrosarcoma

Animal Note: FIBROSARCOMA IS NOT AVAILABLE UNDER PERITONEUM SO IT IS ENTERED AS MESENTERY

Animal Note: TGL5 AND 6 ARE BOTH ENTERED AS MESENTERY INSTEAD OF TISSUE NOS AND TESTES RESPEC TIVELY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 120

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-6]	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Minimal
		[Hyperplasia TGLS = 4-7]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-5]	
Mesentery	Fat	Necrosis	Moderate
		[Necrosis TGLS = 3-21]	
* Pancreas		Atrophy	Mild
	Acinus	Hyperplasia	Focal, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Prostate		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 120

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97144

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 5-6]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 1-7] [Atrophy TGLS = 2-7]	Interstit Cell Germinal Epith	Adenoma Atrophy	Moderate
* Thyroid Gland	Follicle	Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 121

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	Moderate
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Prostate		Inflammation	Chronic, Minimal
* Spleen		Fibrosarcoma	
	Lymph Follic	Hyperplasia	Moderate
Note: SMALL FIBROTIC LESION IS BELIEVED TO BE NEOPLASTIC			
[Fibrosarcoma TGLS = 2-21]			
[Hyperplasia TGLS = 2-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 3-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 121

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97145

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 122

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Marked
* Bone	Cranium	Osteopetrosis	Minimal
[Osteopetrosis TGLS = 2-21]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Minimal
* Prostate	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland		Ultimobranchial Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 124

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Eye		Cataract	Mild
[Cataract TGLS = 5-44]			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic, Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-21]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 4-3]			
* Pancreas		Atrophy	Minimal
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 124

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97148

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-7]

Tongue

Squamous Cell Papilloma

Note: FOREIGN MATERIAL AND INFLAMMATION ACCOMPANY THE PAPILOMA

[Squamous Cell Papilloma TGLS = 3-22]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 125

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Hemorrhage	Minimal
	[Hemorrhage TGLS = 7-3]		
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 3-22]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 9-1]		
* Prostate		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 125

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97149

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	Subcut Tiss	Fibrosarcoma Squamous Cell Papilloma	
[Fibrosarcoma TGLS = 1-21]			
[Squamous Cell Papilloma TGLS = 8-23]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	Follicle	Cyst	Minimal
	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1 IS ENTERED AS SKIN INSTEAD OF MAMMARY GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 126

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
* Prostate		Inflammation	Chronic, Minimal
* Stom Gland			
Note: TGL2 IS BELIEVED TO BE A NORMAL LYMPHOID AGGREGATE			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 127

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic, Minimal
[Hepatodiaphragmatic Nodule TGLS = 4-21]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
* Preputial Gland		Cyst	Mild
[Cyst TGLS = 1-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 3-7]			
[Atrophy TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 127

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97151

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 128

TRT#: 3

SEX: Male

DAY ON TEST: 504

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	Peripheral Nerve	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	Spinal Cord	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 4-1]			
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 2-5]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 3-21]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-22]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
		Inflammation	Chronic Active, Mild
* Testes	Germinal Epith	Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 130

TRT#: 3

SEX: Male

DAY ON TEST: 713

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia	Minimal Focal, Mild
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 3-5]			
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
* Lung		Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Skin	Subcut Tiss Subcut Tiss	Fibroma Fibrosarcoma	
[Fibroma TGLS = 4-21]			
[Fibrosarcoma TGLS = 6-22]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 130

TRT#: 3

SEX: Male

DAY ON TEST: 713

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97154

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibrosarcoma

Animal Note: TGL4 IS ENTERED AS SKIN INSTEAD OF MAMMARY GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 131

TRT#: 3

SEX: Male

DAY ON TEST: 702

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 97155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
		Mesothelioma Malignant	
* Bone Marrow		Hyperplasia	Mild
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 10-26]			
* Intestine Large, Colon		Mesothelioma Malignant	
* Kidney		Mesothelioma Malignant	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Mesothelioma Malignant	
	Centrilobular	Necrosis	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 8-25]			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 2-21]			
* Pancreas		Mesothelioma Malignant	
Peritoneum		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 131	TRT#: 3 DOSE: 250 MG/L	SEX: Male DISP: Natural Death	DAY ON TEST: 702 HISTO: 97155
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ORGAN AND ACCOUNTABLE SITE STATUS

[Mesothelioma Malignant TGLS = 3-22,7-24]			
* Prostate		Mesothelioma Malignant	
* Seminal Vesicle		Mesothelioma Malignant	
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 6-23]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Mesothelioma Malignant	
[Hematopoietic Cell Proliferation TGLS = 5-6]			
* Stomach, Glandular		Mesothelioma Malignant	
		Ulcer	Mild
[Ulcer TGLS = 9-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
[Adenoma TGLS = 4-7]			
* Urinary Bladder		Mesothelioma Malignant	

PRIMARY CAUSE OF DEATH - Mesentery Mesothelioma Malignant

Animal Note: TGL6 IS ENTERED AS SKIN INSTEAD OF SKELETAL MUSCLE

Animal Note: TGL3 AND TGL7 ARE ENTERED AS PERITONEUM INSTEAD OF SKELETAL MUSCLE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 132

TRT#: 3

SEX: Male

DAY ON TEST: 703

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97156

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Minimal
* Harderian Gland		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
	[Hepatodiaphragmatic Nodule TGLS = 7-23]		
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-24]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-22]		
Mesentery		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 132

TRT#: 3

SEX: Male

DAY ON TEST: 703

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97156

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-21]

* Nose		Foreign Body Inflammation	Minimal Chronic, Minimal
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis Pars Distalis	Adenoma Angiectasis	Mild
	[Adenoma TGLS = 8-1] [Angiectasis TGLS = 8-1]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6]		
* Stomach, Forestomach	Epithelium	Hyperplasia Leukemia Mononuclear Ulcer	Moderate Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL3 IS ENTERED AS MESENTERY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Moderate
[Basophilic Focus TGLS = 9-6]			
[Degeneration TGLS = 8-24]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 5-3]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-22]			
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97157

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Angiectasis	Mild
	[Adenoma TGLS = 6-1]		
	[Angiectasis TGLS = 6-1]		
* Preputial Gland		Adenoma	
	[Adenoma TGLS = 1-21]		
* Skin		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 7-3]		
* Spleen		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLS = 3-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 134

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
[Clear Cell Focus TGLS = 5-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 3-3]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
[Angiectasis TGLS = 4-1]			
[Hyperplasia TGLS = 4-1]			
* Prostate		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 134

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97158

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Minimal
		Hypertrophy	Focal, Minimal
		Leukemia Mononuclear	
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Note: THE ADENOMA IS A SMALL NODULAR MASS EXERTING COMPRESSION AND HAVING ENLARGED CELLS WITH PROMINENT NUCLEOLI			
		[Leukemia Mononuclear TGLS = 4-6]	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
		[Hyperplasia TGLS = 6-2]	
		[Leukemia Mononuclear TGLS = 6-2]	
Lymph Node	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97160

ORGAN AND ACCOUNTABLE SITE STATUS

	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-3]		
	[Leukemia Mononuclear TGLS = 2-7]		
* Nose		Foreign Body Inflammation	Minimal Chronic, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Testes	Bilateral, Interstit Cell	Adenoma Mesothelioma Malignant	
	[Adenoma TGLS = 1-7]		
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
* Brain		Compression	Mild
[Compression TGLS = 5-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic, Minimal
Note: NO CORRESPONDING LESION FOR TGL 4.			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
Note: A SMALL ADENOMATOUS LESION IS PRESENT IN THE MIDDLE OF THE HYPERPLASTIC LESION			
* Mammary Gland		Cyst	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-22]			
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97161

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Cyst	Mild
[Adenoma TGLS = 6-24]			
[Angiectasis TGLS = 6-24]			
[Cyst TGLS = 6-24]			
* Preputial Gland		Adenoma	
Note: INFLAMMATION ADJACENT TO THE ADENOMA IS NOT TABULATED			
[Adenoma TGLS = 2-21]			
* Prostate	Epithelium	Hyperplasia Inflammation	Minimal Chronic, Mild
* Testes	Interstit Cell Germinal Epith	Adenoma Atrophy	Moderate
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2 IS ENTERED AS PREPUTIAL GLAND INSTEAD OF SKIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 138

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Leukemia Mononuclear	
* Bone Marrow		Pheochromocytoma Benign	
* Brain		Leukemia Mononuclear	
	[Compression TGLS = 8-1]	Compression	Mild
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Intestine Large, Cecum		Edema	Minimal
* Islets, Pancreatic		Adenoma	
	Note: ADENOMA HAS ENTRAPPED ASCINAR CELLS SUGGESTIVE OF A BENIGN MIXED TUMOR		
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
	Note: TGL10, ABNORMAL FISSURES AND LOBULATIONS ARE NOT ROUTINELY TABULATED		
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 138	TRT#: 5 DOSE: 500 MG/L	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 97162
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ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 11-2] * Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-5] * Nose		Foreign Body Inflammation	Minimal Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 7-1] * Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic, Mild
[Inflammation TGLS = 9-7-1] * Spleen		Fibrosis Leukemia Mononuclear	Mild
[Fibrosis TGLS = 3-21] [Leukemia Mononuclear TGLS = 4-6] * Stomach, Forestomach		Edema	Minimal
	Epithelium	Hyperplasia	Minimal
* Stomach, Glandular		Edema	Minimal
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Mild
[Adenoma TGLS = 2-7] * Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 561

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-22]			
* Pancreas		Atrophy	Minimal
		Mesothelioma Malignant	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Adenoma	
[Adenoma TGLS = 3-21]			
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 5-23]			
* Spleen		Mesothelioma Malignant	
* Stomach, Glandular		Mesothelioma Malignant	
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
[Adenoma TGLS = 1-7,2-7]			

PRIMARY CAUSE OF DEATH - Mesentery Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 561

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97163

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL 5 IS ENTERED AS SKIN INSTEAD OF MAMMARY GLAND

Animal Note: TGL3 IS ENTERED AS PREPUTIAL GLAND INSTEAD OF MAMMARY GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97164

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
	Pancreatic	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 6-3]			
[Hyperplasia TGLS = 7-7]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-22]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Moderate
[Cyst TGLS = 5-1]			
* Preputial Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 140	TRT#: 5 DOSE: 500 MG/L	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 97164
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-21]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 717

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97166

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Thrombosis	Mild
		[Thrombosis TGLS = 9-12]	
* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Minimal
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
		[Hepatodiaphragmatic Nodule TGLS = 8-21]	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Minimal
	Mediastinal	Leukemia Mononuclear	
		[Hyperplasia TGLS = 5-7]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 717

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97166

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 10-3]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 6-5]			
* Prostate	Epithelium	Hyperplasia Inflammation	Minimal Chronic, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Moderate
[Adenoma TGLS = 1-7]			
[Atrophy TGLS = 2-7]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 631

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	Marked
[Compression TGLS = 3-1]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
[Adenoma TGLS = 4-1]			
[Angiectasis TGLS = 4-1]			
* Prostate		Inflammation	Chronic, Moderate
[Inflammation TGLS = 1-7-1]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-21]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 631

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97167

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
* Lung		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hepatocellular Adenoma TGLS = 2-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Nose		Foreign Body	Mild
		Inflammation	Chronic, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Minimal
[Adenoma TGLS = 5-1]			
* Prostate		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97170

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Follicle

Cyst

Minimal

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 555

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
[Hemorrhage TGLS = 7-1,10-1]			
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-2]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-5]			
* Pituitary Gland		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 555

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97171

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Stomach, Forestomach		Edema	Minimal
		Erosion	Minimal
[Erosion TGLS = 9-4,9-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 5-10]			
* Brain		Compression	Mild
[Compression TGLS = 8-1]			
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Moderate
		Inflammation	Chronic, Minimal
[Eosinophilic Focus TGLS = 6-24]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 12-3]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 13-5]			
* Mammary Gland		Cyst	Mild
[Cyst TGLS = 2-8]			
Mesentery		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97172

ORGAN AND ACCOUNTABLE SITE STATUS

	Fat	Necrosis	Moderate
	[Mesothelioma Malignant TGLS = 1-21]		
	[Necrosis TGLS = 3-22]		
* Nose		Foreign Body Inflammation	Minimal Chronic, Minimal
* Pancreas	Acinus	Adenoma	
	[Adenoma TGLS = 4-23]		
* Pituitary Gland	Pars Distalis Pars Distalis	Adenoma Angiectasis	Moderate
	[Adenoma TGLS = 9-1]		
	[Angiectasis TGLS = 9-1]		
* Prostate		Inflammation	Chronic, Moderate
	[Inflammation TGLS = 15-7]		
* Skin	Epidermis	Hyperplasia	Moderate
	[Hyperplasia TGLS = 7-25]		
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy Mesothelioma Malignant	Minimal
	[Adenoma TGLS = 10-7]		
	[Atrophy TGLS = 11-7]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1, SLIDE 21 SENT FOR ONCOGENE ANALYSIS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 609

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
		Hypertrophy	Focal, Minimal
* Brain		Compression	Marked
[Compression TGLS = 4-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLS = 3-21]	Bile Duct	Hyperplasia	Mild
* Mammary Gland		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]	Pars Distalis	Angiectasis	Mild
[Angiectasis TGLS = 5-1]			
* Preputial Gland		Adenoma	
* Prostate		Inflammation	Chronic, Moderate
* Stomach, Forestomach		Edema	Mild
[Ulcer TGLS = 6-4]	Epithelium	Hyperplasia	Minimal
		Ulcer	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 609

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97173

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Angiectasis

Animal Note: TGL6 IS INTERED AS FORESTOMACH INSTEAD OF GLANDULAR STOMACH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 609

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97174

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Thymus	* Trachea	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum		Mesothelioma Malignant	
* Kidney		Mesothelioma Malignant	
	Renal Tubule	Nephropathy	Mild
		Pigmentation	Marked
	[Pigmentation TGLS = 2-5]		
* Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular	Necrosis	Mild
	[Necrosis TGLS = 6-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
	Note: ECTASIA ACCOMPANIES THE HYPERPLASIA IN THE MEDIASTINAL NODE		
	[Hyperplasia TGLS = 10-3]		
Mesentery		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 9-21]		
* Pancreas		Mesothelioma Malignant	
	Note: SMALL AMOUNT OF PANCREAS IS PRESENT ON SLIDE 4 ADJACENT TO THE DUODENUM		
Peritoneum		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 609

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97174

ORGAN AND ACCOUNTABLE SITE STATUS

[Mesothelioma Malignant TGLS = 8-22]

* Prostate		Mesothelioma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Mesothelioma Malignant	
* Stomach, Glandular		Mesothelioma Malignant	
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy Mesothelioma Malignant	Mild

[Adenoma TGLS = 3-7]

[Atrophy TGLS = 4-7]

* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Mesothelioma Malignant	

PRIMARY CAUSE OF DEATH - Mesentery Mesothelioma Malignant

Animal Note: SAMPLE OF THE MESOTHELIOMA FROM SLIDE 21 IS SUBMITTED FOR ONCOGENE ANALYSIS

Animal Note: TGL8 IS ENTERED AS PERITONEUM INSTEAD OF SKELETAL MUSCLE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 151

TRT#: 5

SEX: Male

DAY ON TEST: 575

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 97175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	[Infiltration Cellular TGLS = 7-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Cyst	Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	[Adenoma TGLS = 8-1]		
	[Angiectasis TGLS = 8-1]		
* Prostate		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 151

TRT#: 5

SEX: Male

DAY ON TEST: 575

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 97175

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-6]

* Stomach, Forestomach

Epithelium

Hyperplasia

Moderate

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Animal Note: TGL4, WHICH IS A RUPTURED SPLEEN ON SLIDE 21 IS SECONDARY TO THE LEUKEMIA AND IS NOT TABULATED

Animal Note: TGL5, PALE FOCI ON THE SPLEEN IS NECROSIS SECONDARY TO THE LEUKEMIA AND IS NOT T ABULATED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 152

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
--------------------------	---------------------

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hypertrophy	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
	Pancreatic	Hyperplasia	Lymphoid, Minimal
Note: ECTASIA ACCOMPANIES THE HYPERPLASIA IN THE MEDIASTINAL NODE			
		[Hyperplasia TGLS = 7-3]	
		[Hyperplasia TGLS = 5-7]	
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
		[Hyperplasia TGLS = 6-5]	
* Mammary Gland		Cyst	Minimal
		[Cyst TGLS = 2-8]	
* Pancreas		Atrophy	Minimal
	Acinus	Hyperplasia	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 152

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97176

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 8-1]			
[Angiectasis TGLS = 8-1]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-21]			
* Prostate		Inflammation	Chronic, Mild
[Inflammation TGLS = 4-7-1]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 155

TRT#: 5

SEX: Male

DAY ON TEST: 321

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone		Osteosarcoma	
[Osteosarcoma TGLS = 1-21]			
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	Minimal
[Hepatodiaphragmatic Nodule TGLS = 4-23]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-22]			
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH - Bone Osteosarcoma

Animal Note: TGL1 IS ENTERED AS BONE INSTEAD OF SKIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 157

TRT#: 5

SEX: Male

DAY ON TEST: 679

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Mammary Gland		Cyst	Minimal
	[Cyst TGLS = 3-8]		
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 5-21]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Stomach, Forestomach		Edema	Mild
	Epithelium	Hyperplasia	Mild
* Stomach, Glandular		Erosion	Mild
	[Erosion TGLS = 7-4]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 157

TRT#: 5

SEX: Male

DAY ON TEST: 679

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97181

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL5 IS ENTERED AS SKIN INSTEAD OF MAMMARY GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 158

TRT#: 5

SEX: Male

DAY ON TEST: 607

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 97182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mesenteric	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Mild
* Brain		Compression	Marked
[Compression TGLS = 3-1]			
* Heart		Cardiomyopathy	Moderate
* Liver		Hepatodiaphragmatic Nodule	Minimal
	Bile Duct	Hyperplasia	Mild
[Hepatodiaphragmatic Nodule TGLS = 2-22]			
Lymph Node	Mediastinal	Hemorrhage	Moderate
* Mammary Gland		Cyst	Mild
[Cyst TGLS = 1-21]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-23]			
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 158

TRT#: 5

SEX: Male

DAY ON TEST: 607

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 97182

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-1]

[Angiectasis TGLS = 4-1]

* Prostate

Inflammation

Chronic, Mild

* Spleen

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Angiectasis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 160

TRT#: 5

SEX: Male

DAY ON TEST: 696

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97184

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Pancreas
Peripheral Nerve	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	Moderate
[Compression TGLS = 7-1]			
* Eye		Cataract	Mild
[Cataract TGLS = 9-44]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 6-5]			
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Cyst	Mild
* Mammary Gland			
[Cyst TGLS = 3-8]			
Mesentery		Accessory Spleen	Mild
[Accessory Spleen TGLS = 5-23]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
[Adenoma TGLS = 8-1]			
[Angiectasis TGLS = 8-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 160

TRT#: 5

SEX: Male

DAY ON TEST: 696

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97184

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic, Mild
* Skin		Basal Cell Adenoma	
	Subcut Tiss	Neural Crest Tumor	
	[Basal Cell Adenoma TGLS = 1-21]		
	[Neural Crest Tumor TGLS = 2-22]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 161

TRT#: 5

SEX: Male

DAY ON TEST: 679

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex [Atrophy TGLS = 2-10]	Bilateral	Atrophy	Marked
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Hyperplasia TGLS = 7-21]			
Lymph Node [Leukemia Mononuclear TGLS = 4-3]	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 3-5]		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
* Stomach, Glandular		Erosion	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 161

TRT#: 5

SEX: Male

DAY ON TEST: 679

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97185

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-7]

* Thyroid Gland

C Cell

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 163

TRT#: 5

SEX: Male

DAY ON TEST: 667

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 97187

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Mild
		Leukemia Mononuclear	
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-22]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-5]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 163

TRT#: 5

SEX: Male

DAY ON TEST: 667

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 97187

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery		Angiectasis	Mild
Note: INFLAMMATION, INTESTINAL TISSUE,CYSTS, TRANSITIONAL EPITHELIAL CELLS AND POSSIBLY MESOTHELIOMA ARE ALL PRESENT ON SLIDE 23			
[Angiectasis TGLS = 1-23]			
* Nose		Foreign Body Inflammation	Minimal Chronic, Minimal
* Pituitary Gland	Pars Distalis Pars Distalis	Adenoma Angiectasis	Minimal
[Adenoma TGLS = 9-1]			
[Angiectasis TGLS = 9-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6,4-21]			
* Stomach, Glandular		Erosion	Minimal
* Testes	Interstit Cell	Adenoma Mesothelioma Malignant	
[Adenoma TGLS = 2-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
 CONTRIBUTORY CAUSE OF DEATH - Epididymis Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 164

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Parathyroid Gland	Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Hyperplasia	Focal, Mild
* Eye		Cataract	Mild
[Cataract TGLS = 4-44]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic, Mild
		Mixed Cell Focus	
[Clear Cell Focus TGLS = 3-6]			
[Inflammation TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 5-21]			
* Nose		Foreign Body	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 164

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97188

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 165

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 97189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------|--------------------------|---------------------------|-----------------------------|
| * Bone | * Brain | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Islets, Pancreatic | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Skin | * Thymus | * Thyroid Gland |
| * Trachea | | | |

MISSING

- * Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

- | | | |
|--------------------------|--------------------------|----------------------------|
| * Intestine Large, Cecum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
|--------------------------|--------------------------|----------------------------|

OBSERVATIONS

- | | | | |
|-------------------|--------------------------------------------|----------------------------|---------------------|
| * Adrenal Cortex | | Mesothelioma Malignant | |
| * Adrenal Medulla | | Hyperplasia | Minimal |
| * Bone Marrow | | Hyperplasia | Mild |
| * Epididymis | | Mesothelioma Malignant | |
| * Heart | | Cardiomyopathy | Minimal |
| | | Thrombosis | Moderate |
| | [Thrombosis TGLS = 10-12] | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Degeneration | Cystic, Minimal |
| | | Hepatodiaphragmatic Nodule | Mild |
| | Centrilobular | Mesothelioma Malignant | |
| | [Hepatodiaphragmatic Nodule TGLS = 7-24] | Necrosis | Minimal |
| | [Necrosis TGLS = 5-6] | | |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| | | Infiltration Cellular | Histiocyte, Minimal |
| | | Inflammation | Chronic, Minimal |

Note: HYPERPLASIA IS DIFFUSE

[Hyperplasia TGLS = 12-2]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 165

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 97189

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node [Hyperplasia TGLS = 9-3]	Mediastinal	Hyperplasia	Lymphoid, Minimal
Mesentery [Mesothelioma Malignant TGLS = 3-21]		Mesothelioma Malignant	
* Pancreas		Atrophy Mesothelioma Malignant	Minimal
Peritoneum [Mesothelioma Malignant TGLS = 4-22]		Mesothelioma Malignant	
* Seminal Vesicle		Mesothelioma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Mesothelioma Malignant	
* Stomach, Glandular		Mesothelioma Malignant	
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma Mesothelioma Malignant	
* Urinary Bladder		Mesothelioma Malignant	

PRIMARY CAUSE OF DEATH - Mesentery Mesothelioma Malignant

Animal Note: TGL4 IS ENTERED AS PERITONEUM INSTEAD OF SKELETAL MUSCLE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 166

TRT#: 5

SEX: Male

DAY ON TEST: 704

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
		[Hemorrhage TGLS = 8-1]	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
		[Leukemia Mononuclear TGLS = 5-6]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-5]	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 166

TRT#: 5

SEX: Male

DAY ON TEST: 704

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97190

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
Note: LOCALIZED AREA OF NECROSIS ON SLIDE 21 IS BELIEVED TO BE SECONDARY TO THE LEUKEMIA [Leukemia Mononuclear TGLS = 2-6,3-21]			
* Stomach, Forestomach	Epithelium	Hyperplasia Ulcer	Mild Marked
[Ulcer TGLS = 7-4]			
* Stomach, Glandular		Erosion Ulcer	Mild Moderate
[Ulcer TGLS = 7-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 167

TRT#: 5

SEX: Male

DAY ON TEST: 652

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Mammary Gland
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	Minimal
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 7-21]		
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-3]		
	[Leukemia Mononuclear TGLS = 5-7,5-22]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-5]		
* Nose		Inflammation	Chronic, Moderate
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 167

TRT#: 5

SEX: Male

DAY ON TEST: 652

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97191

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Angiectasis	Minimal
* Preputial Gland		Leukemia Mononuclear	
		Cyst	Moderate
		Inflammation	Chronic, Mild
	[Cyst TGLS = 1-8]		
	[Inflammation TGLS = 1-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Stomach, Glandular		Ulcer	Moderate
	[Ulcer TGLS = 11-4,11-23]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 10-7]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 168

TRT#: 5

SEX: Male

DAY ON TEST: 596

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Minimal
* Brain		Compression	Marked
[Compression TGLS = 2-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Mild
* Nose		Foreign Body	Mild
		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
[Adenoma TGLS = 3-1]			
[Angiectasis TGLS = 3-1]			
* Preputial Gland		Inflammation	Chronic, Mild
[Inflammation TGLS = 1-8]			
* Prostate		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 168

TRT#: 5

SEX: Male

DAY ON TEST: 596

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97192

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 4-7-1]

* Skin

Cyst Epithelial Inclusion

Moderate

[Cyst Epithelial Inclusion TGLS = 5-21]

* Spleen

Pigmentation

Minimal

Tissue NOS

Note: SLIGHT HYPERPLASIA OF INTERSTITIAL CELLS IS PRESENT BUT NOT TABULATED

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 169

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 4-22]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
	[Hyperplasia TGLS = 9-24]		
	Lymph Node	Hyperplasia	Lymphoid, Minimal
	[Hyperplasia TGLS = 6-3]		
* Mammary Gland		Cyst	Mild
	[Cyst TGLS = 1-8]		
* Pancreas	Acinus	Hyperplasia	Focal, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 169

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97193

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Angiectasis	Minimal
[Adenoma TGLS = 8-1]			
[Angiectasis TGLS = 8-1]			
* Prostate		Inflammation	Chronic, Minimal
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 7-23]			
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 3-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
[Adenoma TGLS = 5-3]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 170

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 97194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Marked
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Thrombosis	Marked
	[Thrombosis TGLS = 6-12,8-21]		
* Kidney		Nephropathy	Marked
	[Nephropathy TGLS = 9-5]		
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Minimal
	[Hyperplasia TGLS = 5-7]		
* Pancreas		Atrophy	Minimal
* Prostate		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 170

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 97194

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

Erosion

Moderate

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 172

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97196

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	Moderate
[Compression TGLS = 4-1]			
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
Note: ENTRAPPED ASCINAR CELLS ARE PRESENT IN THE NEOPLASM SUGGESTIVE OF A MIXED TUMOR			
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Mild
[Cyst TGLS = 1-8]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
[Adenoma TGLS = 3-1]			
[Angiectasis TGLS = 3-1]			
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic, Mild
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 172

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97196

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7]

* Thyroid Gland

Follicle

Cyst

Minimal

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 173

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Clear Cell Focus TGLS = 4-6]		
	[Vacuolization Cytoplasmic TGLS = 4-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Minimal
* Prostate		Inflammation	Chronic, Minimal
* Spleen			
Note: TGL3, ABNORMAL FISSURES AND LOBULATIONS ARE NOT ROUTINELY TABULATED			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
	[Adenoma TGLS = 1-7]		
	[Atrophy TGLS = 2-7]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 173

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97197

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 174

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
[Clear Cell Focus TGLS = 2-6]			
[Inflammation TGLS = 2-6]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 175

TRT#: 5

SEX: Male

DAY ON TEST: 366

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97199

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-3]	
* Pancreas		Atrophy	Moderate
* Prostate		Inflammation	Chronic, Marked
		[Inflammation TGLS = 4-7-1]	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-6]	
* Testes	Interstit Cell	Adenoma	
		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 175

TRT#: 5

SEX: Male

DAY ON TEST: 366

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97199

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 176

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
[Clear Cell Focus TGLS = 3-22]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Nose		Inflammation	Chronic, Moderate
Note: FUNGAL ORGANISMS ARE PRESENT IN THE NASAL CAVITY			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-21]			
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 176

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97200

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7]

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 177

TRT#: 5

SEX: Male

DAY ON TEST: 450

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Brain		Oligodendroglioma Malignant	
	[Oligodendroglioma Malignant TGLS = 1-1]		
* Heart		Cardiomyopathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Necrosis	Focal, Minimal
* Prostate		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-7]		
* Thyroid Gland		Ultimobranchial Cyst	Minimal
Zymbal's Gland		Adenoma	
	[Adenoma TGLS = 2-21]		

PRIMARY CAUSE OF DEATH - Brain Oligodendroglioma Malignant

Animal Note: TGL2 IS ENTERED AS SKIN INSTEAD OF EAR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 178

TRT#: 5

SEX: Male

DAY ON TEST: 674

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 97202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Necrosis	Focal, Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 6-2]			
Oral Mucosa	Pharyngeal	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 4-23]			
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Moderate
* Prostate		Inflammation	Chronic, Mild
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH - Oral Mucosa Pharyngeal Squamous Cell Papilloma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 179

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
[Clear Cell Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
* Nose		Inflammation	Chronic, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 2-1]			
* Prostate		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	Follicle	Cyst	Minimal
		Ultimobranchial Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 181

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Adenoma	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
Note: THE ADENOMA HAS ENTRAPPED ASCINAR CELLS SUGGESTIVE OF A MIXED TUMOR			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Pancreas		Atrophy	Minimal
* Prostate		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	Follicle	Cyst	Moderate
	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 181

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97205

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 182

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
* Lung		Inflammation	Chronic, Moderate
Note: LARGE FOREIGN BODY GIANT CELLS ARE FOUND IN THE LUNG AND THEY OCCASIONALLY MIMIC CARCINOMA			
[Inflammation TGLS = 4-2]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 3-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 184

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Astrocytoma Malignant	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
[Clear Cell Focus TGLS = 4-6]			
[Degeneration TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
* Preputial Gland		Inflammation	Chronic, Moderate
[Inflammation TGLS = 2-22]			
* Prostate		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 184

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97208

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 185

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Clear Cell Focus	
		Hyperplasia	Mild
		Inflammation	Chronic, Minimal
	[Clear Cell Focus TGLS = 2-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	[Adenoma TGLS = 4-1]		
	[Angiectasis TGLS = 4-1]		
* Prostate	Epithelium	Hyperplasia	Minimal
* Skin		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 3-21]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 185

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97209

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 187

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
[Cyst TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Intermed	Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Minimal
[Cyst TGLS = 4-1]			
[Hyperplasia TGLS = 4-1]			
* Preputial Gland		Cyst	Minimal
		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic, Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 187	TRT#: 5	SEX: Male	DAY ON TEST: 730
	DOSE: 500 MG/L	DISP: Terminal Sacrifice	HISTO: 97211

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-7]			
* Thyroid Gland	Follicular Cel	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 188

TRT#: 5

SEX: Male

DAY ON TEST: 646

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 97212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
--------------------------	---------------------

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign Pheochromocytoma Malignant	
Note: LESIONS ARE PRESENT IN BOTH ADRENAL MEDULLAS [Pheochromocytoma Malignant TGLS = 3-21]			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Cyst	Minimal
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
[Adenoma TGLS = 4-1]			
[Angiectasis TGLS = 4-1]			
* Prostate		Inflammation	Chronic, Moderate
[Inflammation TGLS = 2-7-1]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 5-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 188

TRT#: 5

SEX: Male

DAY ON TEST: 646

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 97212

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

- Adrenal Medulla Pheochromocytoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 190

TRT#: 5

SEX: Male

DAY ON TEST: 479

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 97214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Skin	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
		Thrombosis	Moderate
* Kidney		Mesothelioma Malignant	
		Nephropathy	Mild
* Liver		Mesothelioma Malignant	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Mesentery		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 3-21]		
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Mesothelioma Malignant	
* Prostate		Inflammation	Chronic, Mild
		Mesothelioma Malignant	
* Seminal Vesicle		Mesothelioma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Marked
		Mesothelioma Malignant	
	[Hematopoietic Cell Proliferation TGLS = 7-6]		
* Stomach, Forestomach		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 190

TRT#: 5

SEX: Male

DAY ON TEST: 479

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 97214

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular
[Erosion TGLS = 6-22]

Erosion

Mild

* Testes
[Adenoma TGLS = 4-7]

Bilateral, Interstit Cell

Adenoma
Mesothelioma Malignant

PRIMARY CAUSE OF DEATH

- Mesentery Mesothelioma Malignant

CONTRIBUTORY CAUSE OF DEATH

- Heart Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 191

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	Peripheral Nerve
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Eye		Cataract	Mild
[Cataract TGLS = 6-44]			
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 3-7]			
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
[Clear Cell Focus TGLS = 5-6,7-21]		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Chronic, Moderate
[Inflammation TGLS = 4-7-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 191

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97215

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 193

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	Mild
[Compression TGLS = 4-1]			
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 6-21]			
* Mammary Gland		Cyst	Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Carcinoma	
[Angiectasis TGLS = 5-1]			
[Carcinoma TGLS = 5-1]			
* Prostate	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 193

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97217

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell
Germinal Epith

Inflammation
Adenoma
Atrophy
Mesothelioma Malignant

Chronic, Mild

Mild

[Adenoma TGLS = 1-7]

[Atrophy TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

Animal Note: VERY EARLY AND SMALL MESOTHELIOMA IS PRESENT ON SLIDE 7

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 194

TRT#: 5

SEX: Male

DAY ON TEST: 549

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
		[Leukemia Mononuclear TGLS = 6-6]	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-7]	
		[Leukemia Mononuclear TGLS = 11-3]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 9-5]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 194

TRT#: 5

SEX: Male

DAY ON TEST: 549

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97218

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Fibroadenoma TGLS = 1-21]		Fibroadenoma	
Mesentery [Necrosis TGLS = 10-22]	Fat	Necrosis	Mild
* Pancreas		Atrophy	Mild
* Spleen [Leukemia Mononuclear TGLS = 5-6]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 4-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	Follicle	Cyst	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL10 IS ENTERED AS MESENTERY INSTEAD OF SKELETAL MUSCLE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 195

TRT#: 5

SEX: Male

DAY ON TEST: 581

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Moderate
		Leukemia Mononuclear	
	[Compression TGLS = 8-1]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 7-21]		
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Lymph Node	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-7]		
* Lymph Node, Mesenteric	Pancreatic	Leukemia Mononuclear	
* Mammary Gland		Cyst	Moderate
		Leukemia Mononuclear	
	[Cyst TGLS = 1-8]		
* Nose		Foreign Body	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 195

TRT#: 5

SEX: Male

DAY ON TEST: 581

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97219

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Inflammation	Chronic, Mild
		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
		Leukemia Mononuclear	
	[Adenoma TGLS = 9-1]		
	[Angiectasis TGLS = 9-1]		
* Prostate		Inflammation	Chronic, Mild
	[Inflammation TGLS = 3-7-1]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Stomach, Glandular		Erosion	Mild
	[Erosion TGLS = 10-4]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 196

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Clear Cell Focus	
		Hyperplasia	Moderate
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Clear Cell Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 4-3]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-21]			
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 5-1]			
[Angiectasis TGLS = 5-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 196

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97220

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Cyst	Minimal
* Prostate	Epithelium	Hyperplasia Inflammation	Minimal Chronic, Minimal
* Testes [Adenoma TGLS = 1-7]	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Adenoma Ultimobranchial Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Harderian Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
[Clear Cell Focus TGLS = 4-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
Note: ECTASIA ACCOMPANIES THE HYPERPLASIA IN THE MEDIASTINAL NODE			
[Hyperplasia TGLS = 5-3]			
* Mammary Gland		Cyst	Minimal
[Cyst TGLS = 2-8]			
* Pancreas	Acinus	Adenoma	
		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 6-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97223

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 6-1]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-22]			
* Prostate	Epithelium	Hyperplasia Inflammation	Minimal Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 200

TRT#: 7

DOSE: 1000 MG/L

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 556

HISTO: 97224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Skin	* Thymus
* Trachea			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Mesothelioma Malignant	
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
		Thrombosis	Moderate
[Thrombosis TGLS = 5-12]			
* Intestine Large, Colon		Mesothelioma Malignant	
* Intestine Small, Jejunum		Mesothelioma Malignant	
* Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-21]			
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Mesothelioma Malignant	
Peritoneum		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-22]			
* Prostate		Inflammation	Chronic, Mild
		Mesothelioma Malignant	
* Seminal Vesicle		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 556

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97224

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Moderate
		Mesothelioma Malignant	
* Stomach, Forestomach		Mesothelioma Malignant	
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 7-4,7-23]			
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Mesothelioma Malignant	

PRIMARY CAUSE OF DEATH - Mesentery Mesothelioma Malignant

CONTRIBUTORY CAUSE OF DEATH - Heart Thrombosis

Animal Note: TGL4, SKELETAL MUSCLE IS ENTERED AS PERITONEUM

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 202

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	Peripheral Nerve
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Eye		Cataract	Mild
[Cataract TGLS = 5-44]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hemorrhage TGLS = 4-3]			
[Hyperplasia TGLS = 4-3]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 203

TRT#: 7

SEX: Male

DAY ON TEST: 468

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone [Thymoma Malignant TGLS = 7-23]		Thymoma Malignant	Metastatic (Thymus)
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum [Adenoma TGLS = 6-22]		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
* Lung		Hemorrhage	Minimal
		Thymoma Malignant	Metastatic (Thymus)
Mesentery [Necrosis TGLS = 4-21]	Fat	Necrosis	Mild
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Spleen		Pigmentation	Minimal
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Atrophy	Minimal
[Adenoma TGLS = 3-7]			
[Atrophy TGLS = 2-7]			
* Thymus		Thymoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 203

TRT#: 7

SEX: Male

DAY ON TEST: 468

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97227

ORGAN AND ACCOUNTABLE SITE STATUS

[Thymoma Malignant TGLS = 8-24]

Tooth

Malformation

Minimal

[Malformation TGLS = 9-25]

PRIMARY CAUSE OF DEATH

- Thymus Thymoma Malignant

Animal Note: TGL8, TISSUE NOS, IS ENTERED AS THYMUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 205

TRT#: 7

SEX: Male

DAY ON TEST: 588

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 97229

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia Leukemia Mononuclear	Minimal Focal, Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Moderate
	[Leukemia Mononuclear TGLS = 3-1]		
* Lung		Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Foreign Body Inflammation	Minimal Chronic, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis Pars Distalis	Adenoma Angiectasis	Mild
	[Adenoma TGLS = 3-1]		
	[Angiectasis TGLS = 3-1]		
* Preputial Gland		Cyst	Minimal
* Prostate		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 205

TRT#: 7

SEX: Male

DAY ON TEST: 588

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 97229

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 2-6]		Leukemia Mononuclear	
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 208

TRT#: 7

SEX: Male

DAY ON TEST: 674

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Preputial Gland
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OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Necrosis	Moderate
* Bone	Femur	Osteopetrosis	Mild
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Mild
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
	Centrilobular	Leukemia Mononuclear	
		Necrosis	Minimal
		[Leukemia Mononuclear TGLS = 5-6]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-2]	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-7]	
		[Leukemia Mononuclear TGLS = 7-3]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Cyst	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 208

TRT#: 7

SEX: Male

DAY ON TEST: 674

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97232

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Moderate
		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Prostate		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6]		
* Stomach, Glandular		Erosion	Minimal
	[Erosion TGLS = 9-4]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-7]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-3]		
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 209

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
	Note: THE LUNG HAS BOTH A HYPERPLASTIC AND A NEOPLASTIC LESION		
	[Alveolar/Bronchiolar Carcinoma TGLS = 7-2]		
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-7]		
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 5-22]		
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Mild
* Pancreas		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 209

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97233

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Hyperplasia

Focal, Minimal

* Skin

Keratoacanthoma

Squamous Cell Papilloma

[Keratoacanthoma TGLS = 8-23]

[Squamous Cell Papilloma TGLS = 1-21]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-6]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 210

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Edema	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
[Eosinophilic Focus TGLS = 3-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-21]			
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 210	TRT#: 7	SEX: Male	DAY ON TEST: 729
	DOSE: 1000 MG/L	DISP: Terminal Sacrifice	HISTO: 97234

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-1]			
[Angiectasis TGLS = 4-1]			
* Prostate		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	-
-------------------------------	---

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 211

TRT#: 7

SEX: Male

DAY ON TEST: 682

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 6-5]			
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic, Minimal
* Lung	Mediastinum	Lymphoma Malignant	
Lymph Node	Mediastinal	Lymphoma Malignant	
	Pancreatic	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 4-7]			
[Lymphoma Malignant TGLS = 8-22]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 5-5,7-21]			
* Mammary Gland		Cyst	Minimal
Mesentery		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 10-7-1]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 11-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 211

TRT#: 7

SEX: Male

DAY ON TEST: 682

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97235

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 11-1]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-24]			
* Prostate		Inflammation	Chronic, Moderate
* Seminal Vesicle		Lymphoma Malignant	
Note: THE NEOPLASTIC PROCESS IS SMALL, COMPLICATED BY INFLAMMATION AND HAS MITOTIC FIGURES			
* Skin	Subcut Tiss	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 13-25]			
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 2-23,3-23]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 9-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL8 IS ENTERED AS MEDIASTINAL LYMPH NODE

Animal Note: TGL10 IS ENTERED AS MESENTERY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 214

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
Note: ENTRAPPED ASCINAR CELLS ARE PRESENT SUGGESTIVE OF A MIXED TUMOR			
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Minimal
	[Adenoma TGLS = 3-5,3-23]		
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Mild
* Prostate		Inflammation	Chronic, Minimal
* Skin	Sebaceous GI	Adenoma	
		Hyperplasia	Minimal
	[Adenoma TGLS = 4-21]		
	[Hyperplasia TGLS = 5-22]		
* Spleen		Accessory Spleen	Minimal
	[Accessory Spleen TGLS = 2-24]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 214

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97238

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-7]

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 215

TRT#: 7

DOSE: 1000 MG/L

SEX: Male

DISP: Natural Death

DAY ON TEST: 510

HISTO: 97239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
		Thrombosis	Marked
	[Thrombosis TGLS = 6-12]		
* Liver		Hepatodiaphragmatic Nodule	Minimal
	Bile Duct	Hyperplasia	Mild
	[Hepatodiaphragmatic Nodule TGLS = 4-22]		
* Lung		Alveolar Epith	Marked
	[Hyperplasia TGLS = 9-2]		
Lymph Node		Mediastinal	Hemorrhage
	[Hemorrhage TGLS = 5-3]		
* Pituitary Gland		Pars Distalis	Adenoma
		Pars Distalis	Angiectasis
	[Adenoma TGLS = 7-1]		
	[Angiectasis TGLS = 7-1]		
* Prostate		Inflammation	Chronic, Mild
* Testes		Bilateral, Interstit Cell	Adenoma
	[Adenoma TGLS = 2-7]		

PRIMARY CAUSE OF DEATH

- Heart Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 215

TRT#: 7

SEX: Male

DAY ON TEST: 510

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 97239

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 216

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone	Cranium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 3-22]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
[Adenoma TGLS = 4-1]			
[Cyst TGLS = 4-1]			
* Prostate		Inflammation	Chronic, Minimal
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 2-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	Follicle	Cyst	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 216

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97240

ORGAN AND ACCOUNTABLE SITE STATUS

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 217

TRT#: 7

SEX: Male

DAY ON TEST: 652

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Eye	* Harderian Gland
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Mild
* Epididymis		Leukemia Mononuclear	
		Mesothelioma Malignant	
* Esophagus		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
		Thrombosis	Marked
[Thrombosis TGLS = 14-12]			
* Intestine Large, Cecum		Edema	Minimal
* Kidney	Transit Epithe	Hyperplasia	Minimal
	Pelvis	Inflammation	Mild
		Mesothelioma Malignant	
		Nephropathy	Marked
[Inflammation TGLS = 9-5]			
[Nephropathy TGLS = 8-5]			
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 217

TRT#: 7

DOSE: 1000 MG/L

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 652

HISTO: 97241

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung	Alveolar Epith	Hyperplasia Leukemia Mononuclear	Mild
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Note: LOCALIZED AREAS OF FIBROSIS AND HYPERPLASIA ARE BELIEVED TO BE SECONDARY TO THE LEUKEMIA AND ARE NOT TABULATED

[Leukemia Mononuclear TGLS = 13-3]

* Lymph Node, Mesenteric Mesentery	Fat	Leukemia Mononuclear Leukemia Mononuclear Mesothelioma Malignant Necrosis	Moderate
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Note: MULTIPLE MESENTERIC ATTACHMENTS HAVE BOTH LEUKEMIA AND MESOTHELIOMA

Note: SAMPLE OF SLIDE 21 IS SUBMITTED FOR ONCOGENE ANALYSIS

[Leukemia Mononuclear TGLS = 2-21]

[Mesothelioma Malignant TGLS = 2-21]

[Necrosis TGLS = 11-23]

* Pancreas		Leukemia Mononuclear Mesothelioma Malignant	
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Note: EXTENSIVE FIBROSIS ACCOMPANIES THE MESOTHELIOMA AND THE LEUKEMIA INVOLVING THE PANCREAS ON SLIDE 5 AND 7

[Leukemia Mononuclear TGLS = 5-7,11-23]

[Mesothelioma Malignant TGLS = 5-7]

* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Prostate		Inflammation	Chronic, Mild

* Spleen		Leukemia Mononuclear Fibrosis Hematopoietic Cell Proliferation Leukemia Mononuclear Mesothelioma Malignant	Mild Mild
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[Fibrosis TGLS = 7-22]

[Hematopoietic Cell Proliferation TGLS = 6-6]

[Leukemia Mononuclear TGLS = 6-6]

* Stomach, Forestomach	Epithelium	Edema Hyperplasia Ulcer	Mild Marked Moderate
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 217

TRT#: 7

SEX: Male

DAY ON TEST: 652

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97241

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 16-4]

[Ulcer TGLS = 16-4]

* Stomach, Glandular

* Testes

Bilateral, Interstit Cell

Edema

Adenoma

Mesothelioma Malignant

Minimal

[Adenoma TGLS = 1-7]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 12-3]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Heart Thrombosis;Mesentery Mesothelioma Malignant

Animal Note: SAMPLE OF SLIDE 21 SUBMITTED FOR ONCOGENE ANALYSIS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 218

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 1-10]			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Edema	Minimal
		Inflammation	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
[Clear Cell Focus TGLS = 3-6]			
[Hepatodiaphragmatic Nodule TGLS = 4-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Minimal
[Adenoma TGLS = 5-1]			
[Angiectasis TGLS = 5-1]			
* Prostate		Inflammation	Chronic, Mild
[Inflammation TGLS = 2-7-1]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 218

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97242

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 220

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Harderian Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
Note: ECTASIA ACCOMPANIES THE HYPERPLASIA IN THE MEDIASTINAL NODE			
[Hyperplasia TGLS = 2-3]			
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	
[Fibroadenoma TGLS = 6-23]			
* Nose		Foreign Body	Minimal
Oral Mucosa		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 4-21,4-21-1]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 5-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 220

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97244

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 5-1]

* Prostate

Inflammation

Chronic, Minimal

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

Tooth

Malformation

Moderate

[Malformation TGLS = 3-9,3-22]

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL4 IS ENTERED AS ORAL MUCOSA INSTEAD OF BONE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 221

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97245

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Adenoma	
[Adenoma TGLS = 3-22]			
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Mild
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
* Skin	Subcut Tiss	Neural Crest Tumor	
[Neural Crest Tumor TGLS = 2-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	Follicle	Cyst	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 221

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97245

ORGAN AND ACCOUNTABLE SITE STATUS

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: THIS IS A VERY EARLY CASE OF MESOTHELIOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 223

TRT#: 7

SEX: Male

DAY ON TEST: 682

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97247

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea

MISSING

* Lymph Node, Mandibular	* Urinary Bladder
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
		Schwannoma Benign	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
Note: NO CORRELATING LESION FOR TGLS 4. [Hepatocellular Adenoma TGLS = UPLS = A, C AND D]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 5-3]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-21]			
* Spleen		Hemangiosarcoma	
[Hemangiosarcoma TGLS = 3-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 223

TRT#: 7

SEX: Male

DAY ON TEST: 682

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97247

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

Animal Note: TGL2 IS ENTERED AS SKIN INSTEAD OF MAMMARY GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 224

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
[Clear Cell Focus TGLS = 8-6]			
[Degeneration TGLS = 7-21]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 4-24]			
* Pancreas	Acinus	Hyperplasia	Focal, Marked
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 6-1]			
[Angiectasis TGLS = 5-1]			
* Preputial Gland		Cyst	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 224

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97248

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-7]

[Atrophy TGLS = 2-7]

* Thyroid Gland

Follicular Cel

Adenoma

C Cell

Hyperplasia

Minimal

[Adenoma TGLS = 3-3]

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL9, ABNORMAL FISSURES AND LOBULATIONS OF THE LIVER ARE NOT ROUTINELY TABULATED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 226

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone	Cranium	Osteopetrosis	Minimal
[Osteopetrosis TGLS = 4-22]			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
[Malformation TGLS = 2-21]		Malformation	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]	Pars Distalis	Angiectasis	Mild
[Angiectasis TGLS = 5-1]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 6-23]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 226

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97250

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL6 IS ENTERED AS SKIN INSTEAD OF MAMMARY GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 227

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adren Cortex			
Note: ONLY ONE ADRENAL GLAND WAS PRESENT AT TRIMMING			
* Adrenal Medulla		Hyperplasia	Minimal
Note: ONE OF PAIR MISSING.			
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Thrombosis	Moderate
		[Cardiomyopathy TGLS = 6-12]	
		[Thrombosis TGLS = 7-12]	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
		[Leukemia Mononuclear TGLS = 4-6]	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-21]	
* Mammary Gland		Cyst	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 227

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97251

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Stomach, Glandular		Erosion	Minimal
[Erosion TGLS = 8-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	Follicle	Cyst	Minimal
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 229

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
Note: CYTOPLASMIC VACUOLIZATION IS PROMINENT IN THE FOCAL HYPERPLASTIC AREA			
* Adrenal Medulla		Hyperplasia	Moderate
* Brain		Compression	Moderate
[Compression TGLS = 7-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
* Liver	Bile Duct	Hyperplasia	Mild
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Mild
[Fibroadenoma TGLS = 1-21]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 8-22]			
* Nose		Foreign Body	Minimal
[Foreign Body TGLS = 1-1]			
[Inflammation TGLS = 1-1]			
* Pituitary Gland	Pars Distalis	Adenoma	Chronic, Minimal
[Adenoma TGLS = 6-1]			
[Angiectasis TGLS = 1-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 229

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97253

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 6-1]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 2-8]			
* Prostate		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 5-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 230

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97254

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Clear Cell Focus	
		Hyperplasia	Mild
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Minimal
[Inflammation TGLS = 3-7-1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 230

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97254

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 231

TRT#: 7

SEX: Male

DAY ON TEST: 687

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Seminal Vesicle	* Skin	* Spleen	* Thymus
* Trachea			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
[Hepatocellular Adenoma TGLS = 11-24]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Minimal
	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hemorrhage TGLS = 9-3]			
[Hyperplasia TGLS = 9-3]			
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
* Preputial Gland		Adenoma	
[Adenoma TGLS = 2-21]			
* Prostate		Inflammation	Chronic, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 231

TRT#: 7

SEX: Male

DAY ON TEST: 687

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97255

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 6-7-1,7-7-1]			
* Salivary Glands		Inflammation	Mild
[Inflammation TGLS = 1-8]			
* Stomach, Forestomach		Erosion	Minimal
	Epithelium	Hyperplasia	Minimal
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 13-4]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Minimal
[Adenoma TGLS = 4-22]			
* Thyroid Gland	C Cell	Adenoma	
* Urinary Bladder		Hemorrhage	Mild
		Inflammation	Mild
[Inflammation TGLS = 5-8]			
PRIMARY CAUSE OF DEATH	- Prostate	Inflammation	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 232

TRT#: 7

SEX: Male

DAY ON TEST: 630

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 97256

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Eye	* Harderian Gland	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Minimal
		Thrombosis	Moderate
[Thrombosis TGLS = 8-12]			
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular	Necrosis	Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 7-3]			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-21]			
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Mesothelioma Malignant	
Peritoneum		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 5-22]			
* Prostate		Mesothelioma Malignant	
* Seminal Vesicle		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 232

TRT#: 7

SEX: Male

DAY ON TEST: 630

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 97256

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Marked
		Mesothelioma Malignant	
* Stomach, Glandular		Mesothelioma Malignant	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
		Mesothelioma Malignant	
	[Adenoma TGLS = 2-7]		
	[Atrophy TGLS = 3-7]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mesentery Mesothelioma Malignant

Animal Note: TGL5 IS ENTERED AS PERITONEUM INSTEAD OF SKELETAL MUSCLE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 233

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Moderate
[Pheochromocytoma Benign TGLS = 5-10]			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Adenoma	
[Adenoma TGLS = 8-24]			
* Kidney		Nephropathy	Marked
* Liver		Clear Cell Focus	
	Bile Duct	Degeneration	Cystic, Minimal
		Hyperplasia	Marked
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-23]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 233

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97257

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Mild
* Preputial Gland		Adenoma	
[Adenoma TGLS = 2-22]			
* Prostate		Inflammation	Chronic, Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thyroid Gland	C Cell	Adenoma	
	Follicle	Cyst	Minimal
[Adenoma TGLS = 10-3]			

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1 IS ENTERED AS SKIN INSTEAD OF MAMMARY GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 235

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Marked
		[Compression TGLS = 7-1]	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
		[Nephropathy TGLS = 6-5]	
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-7]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Cyst	Moderate
		[Cyst TGLS = 4-8]	
* Nose		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
	Acinus	Hyperplasia	Focal, Mild

Note: HYPERPLASIA OF THE PANCREAS IS PRESENT ON SLIDE 4 ADJACENT TO THE DUODENUM

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 235

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97259

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
		Leukemia Mononuclear	
	[Adenoma TGLS = 8-21]		
	[Angiectasis TGLS = 8-21]		
* Preputial Gland		Cyst	Moderate
		Inflammation	Chronic, Moderate
	[Cyst TGLS = 1-22]		
	[Inflammation TGLS = 1-22]		
* Prostate		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLS = 9-7]		
* Thyroid Gland	C Cell	Hyperplasia	Moderate
		Ultimobranchial Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1 IS ENTERED AS PREPUTIAL GLAND INSTEAD OF MAMMARY GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 236

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97260

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 237

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 97261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Seminal Vesicle	* Skin	* Trachea

MISSING

* Lymph Node, Mandibular	* Thymus
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AUTO PRECLUDES DIAG.

* Intestine Large, Colon	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule	Minimal
	Leukemia Mononuclear	
* Adrenal Medulla	Hyperplasia	Minimal
	Leukemia Mononuclear	
	Pheochromocytoma Benign	
* Bone Marrow	Leukemia Mononuclear	
* Brain	Compression	Mild
	[Compression TGLS = 14-1]	
* Epididymis	Mesothelioma Malignant	
* Heart	Cardiomyopathy	Minimal
	Leukemia Mononuclear	
* Kidney	Leukemia Mononuclear	
	Nephropathy	Moderate
* Liver	Degeneration	Cystic, Mild
	Bile Duct	Mild
	Hyperplasia	
	Leukemia Mononuclear	
	Centrilobular	Minimal
	Necrosis	
	[Leukemia Mononuclear TGLS = 9-6]	
* Lung	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 13-2,17-28]	
Lymph Node	Deep Cervical	Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 237

TRT#: 7

DOSE: 1000 MG/L

SEX: Male

DISP: Natural Death

DAY ON TEST: 727

HISTO: 97261

ORGAN AND ACCOUNTABLE SITE STATUS

	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-27]		
	[Leukemia Mononuclear TGLS = 10-26]		
	[Leukemia Mononuclear TGLS = 11-25]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-5]		
* Mammary Gland		Cyst	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-21]		
Mesentery		Mesothelioma Malignant	
	Fat	Necrosis	Moderate
	[Mesothelioma Malignant TGLS = 3-23]		
	[Necrosis TGLS = 7-24]		
Peritoneum		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 2-22]		
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	[Adenoma TGLS = 15-1]		
	[Angiectasis TGLS = 15-1]		
* Prostate		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
		Mesothelioma Malignant	
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Stomach, Forestomach		Edema	Mild
	Epithelium	Hyperplasia	Moderate
		Ulcer	Marked
	[Ulcer TGLS = 16-4]		
* Stomach, Glandular		Edema	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 237

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 97261

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 4-7]	Bilateral, Interstit Cell	Adenoma
* Thyroid Gland [Adenoma TGLS = 12-3]	C Cell	Adenoma
* Urinary Bladder		Leukemia Mononuclear

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL2, TISSUE NOS, IS ENTERED AS PERITONEUM

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 238

TRT#: 7

DOSE: 1000 MG/L

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 97262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	

Note: A CLEAR CELL FOCUS IS PRESENT ON SLIDE 21

[Hepatodiaphragmatic Nodule TGLS = 3-21]

[Leukemia Mononuclear TGLS = 2-6]

* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Minimal
* Prostate	Epithelium	Hyperplasia	Minimal

[Adenoma TGLS = 5-1]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 238

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97262

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 4-6]		Inflammation Leukemia Mononuclear	Chronic, Mild
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell Follicle	Adenoma Cyst	Minimal
Tongue [Hyperplasia TGLS = 6-22]		Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 239

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
[Cyst TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Minimal
[Adenoma TGLS = 5-1]			
* Preputial Gland		Cyst	Moderate
		Inflammation	Chronic, Minimal
[Cyst TGLS = 4-21]			
[Inflammation TGLS = 4-21]			
* Skin		Cyst Epithelial Inclusion	Mild
[Cyst Epithelial Inclusion TGLS = 4-21]			
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 6-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 239

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97263

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-7]

* Thyroid Gland

Follicle

Cyst

Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL4 IS ENTERED AS BOTH SKIN AND PREPUTIAL GLAND INSTEAD OF MAMMARY GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 240

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
[Hyperplasia TGLS = 4-21,5-22]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 6-23]			
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
	Acinus	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 240	TRT#: 7	SEX: Male	DAY ON TEST: 731
	DOSE: 1000 MG/L	DISP: Terminal Sacrifice	HISTO: 97264
ORGAN AND ACCOUNTABLE SITE STATUS			
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 241

TRT#: 7

SEX: Male

DAY ON TEST: 631

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Edema	Marked
[Edema TGLS = 11-21]			
* Kidney		Infarct	Mild
[Infarct TGLS = 5-5]		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Leukemia Mononuclear TGLS = 8-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-7]			
[Leukemia Mononuclear TGLS = 9-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-5]			
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 241

TRT#: 7

SEX: Male

DAY ON TEST: 631

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97265

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland [Adenoma TGLS = 1-8]		Adenoma	
* Spleen [Leukemia Mononuclear TGLS = 3-22]		Leukemia Mononuclear	
* Stomach, Forestomach		Edema	Moderate
	Epithelium	Hyperplasia	Marked
* Stomach, Glandular		Edema	Mild
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Marked
[Atrophy TGLS = 7-7]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL1 IS ENTERED AS SKIN INSTEAD OF PREPUTIAL GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 242

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97266

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Mild
		Hypertrophy	Focal, Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Adenoma	
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
	[Clear Cell Focus TGLS = 3-22,4-6]		
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Moderate
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Mild
	Acinus	Hyperplasia	Focal, Mild
* Prostate		Inflammation	Chronic, Mild
* Skin		Cyst Epithelial Inclusion	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 242

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97266

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst Epithelial Inclusion TGLS = 2-21]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 243

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97267

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	Mild
		Nephropathy	Mild
[Cyst TGLS = 4-22]			
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
[Clear Cell Focus TGLS = 3-6]			
[Degeneration TGLS = 3-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Adenoma	
Note: THE ADENOMA IS A SMALL LESION ON SLIDE 8			
* Prostate	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 243

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97267

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Fibroma TGLS = 2-21]	Subcut Tiss	Inflammation Fibroma	Chronic, Minimal
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2 IS ENTERED AS SKIN INSTEAD OF MAMMARY GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 244

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
	[Hepatodiaphragmatic Nodule TGLS = 4-21]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
	[Cyst TGLS = 1-8]		
* Pancreas		Cyst	Mild
	[Cyst TGLS = 5-22]		
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	[Adenoma TGLS = 7-1]		
	[Angiectasis TGLS = 7-1]		
* Prostate		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 244

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97268

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 6-23]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Adenoma	
	Follicle	Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 245

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97269

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-7]		
	[Leukemia Mononuclear TGLS = 11-22]		
	[Leukemia Mononuclear TGLS = 10-23]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 245

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97269

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 9-5]			
* Mammary Gland		Cyst	Minimal
[Cyst TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Skin		Cyst Epithelial Inclusion	Moderate
[Cyst Epithelial Inclusion TGLS = 4-21]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 3-7]			
[Atrophy TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 247

TRT#: 7

SEX: Male

DAY ON TEST: 667

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|--------------------------|---------------------------|-----------------------------|
| * Bone | * Epididymis | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Mammary Gland | * Parathyroid Gland |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------------------------|-------------|----------------------|------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Minimal |
| | | Leukemia Mononuclear | |
| * Intestine Large, Cecum | | Edema | Moderate |
| * Intestine Small, Ileum | | Inflammation | Mild |
| * Kidney | | Infarct | Moderate |
| | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| [Infarct TGLS = 5-21] | | | |
| * Liver | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 7-6] | | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 8-3] | | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-5] | | | |
| * Nose | | Inflammation | Chronic, Minimal |
| * Pancreas | | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 247

TRT#: 7

SEX: Male

DAY ON TEST: 667

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97271

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-22]			
* Stomach, Forestomach		Edema	Mild
	Epithelium	Hyperplasia	Moderate
		Ulcer	Marked
* Stomach, Glandular		Edema	Mild
		Erosion	Mild
[Erosion TGLS = 9-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 248

TRT#: 7

DOSE: 1000 MG/L

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 699

HISTO: 97272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Thrombosis	Moderate
	[Thrombosis TGLS = 11-12]		
* Intestine Large, Cecum		Edema	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
	Centrilobular	Leukemia Mononuclear	
		Necrosis	Minimal
	Note: FOCAL ACCUMULATION OF FAT IN ONE AREA SIMILAR TO A LIPOMA		
	[Leukemia Mononuclear TGLS = 8-6]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	[Alveolar/Bronchiolar Adenoma TGLS = 14-22]		
	[Hemorrhage TGLS = 10-2]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-3]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 248

TRT#: 7

SEX: Male

DAY ON TEST: 699

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97272

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 6-5]		Leukemia Mononuclear	
* Mammary Gland		Cyst	Minimal
* Pituitary Gland [Hyperplasia TGLS = 13-1]	Pars Distalis	Hyperplasia	Focal, Mild
* Prostate		Inflammation	Chronic, Minimal
* Spleen [Leukemia Mononuclear TGLS = 4-6]		Leukemia Mononuclear	
* Stomach, Forestomach [Ulcer TGLS = 15-4]		Ulcer	Moderate
* Stomach, Glandular [Erosion TGLS = 15-4]		Edema Erosion	Minimal Mild
* Testes [Adenoma TGLS = 2-7] [Atrophy TGLS = 3-7]	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Mild
* Thyroid Gland	Follicle C Cell	Cyst Hyperplasia	Minimal Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 250

TRT#: 7

SEX: Male

DAY ON TEST: 521

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Thymus
--------------------------	----------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 2-10]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Centrilobular	Necrosis	Moderate
[Necrosis TGLS = 3-6]			
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 7-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Marked
* Preputial Gland		Cyst	Minimal
* Prostate		Inflammation	Chronic, Mild
* Skin			
Note: TGL8, MILD HEMORRHAGE IN THE SKIN ON SLIDE 22 IS PRESENT BUT NOT TABULATED			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 250

TRT#: 7

SEX: Male

DAY ON TEST: 521

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97274

ORGAN AND ACCOUNTABLE SITE STATUS

Note: THE THYMUS APPEARS TO HAVE BEEN REPLACED BY ADIPOSE TISSUE

PRIMARY CAUSE OF DEATH

- UNCERTAIN

CONTRIBUTORY CAUSE OF DEATH

- Adrenal Medulla Pheochromocytoma Malignant

Animal Note: CHYLOTHORAX WAS LIKELY THE IMMEDIATE CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 251

TRT#: 7

SEX: Male

DAY ON TEST: 639

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia Leukemia Mononuclear	Minimal Focal, Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
	Centrilobular	Necrosis	Minimal
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
* Nose		Foreign Body Inflammation	Minimal Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	[Adenoma TGLS = 5-1]		
	[Angiectasis TGLS = 5-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 251

TRT#: 7

SEX: Male

DAY ON TEST: 639

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97275

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Stomach, Forestomach		Edema	Marked
	Epithelium	Hyperplasia	Mild
		Ulcer	Marked
[Ulcer TGLS = 7-22]			
* Stomach, Glandular		Edema	Mild
		Erosion	Moderate
[Erosion TGLS = 6-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 252

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Marked
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Harderian Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-6]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 11-23]		
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-7]		
	[Leukemia Mononuclear TGLS = 12-22]		
	[Leukemia Mononuclear TGLS = 9-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 252

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97276

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-5]			
* Mammary Gland		Cyst	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 13-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-24]			
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Mild
[Adenoma TGLS = 1-7]			
[Atrophy TGLS = 4-7]			
* Thyroid Gland	Follicular Cel	Adenoma	
[Adenoma TGLS = 10-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 253

TRT#: 7

SEX: Male

DAY ON TEST: 631

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	Peripheral Nerve	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	Spinal Cord	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Marked
[Compression TGLS = 6-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic, Minimal
[Hyperplasia TGLS = 4-6]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 5-3]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
[Adenoma TGLS = 7-1]			
[Angiectasis TGLS = 7-1]			
* Prostate		Inflammation	Chronic, Mild
[Inflammation TGLS = 2-7-1]			
* Stomach, Forestomach		Edema	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 253

TRT#: 7

SEX: Male

DAY ON TEST: 631

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97277

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Germinal Epith

Atrophy

Marked

[Atrophy TGLS = 1-7]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 254

TRT#: 7

SEX: Male

DAY ON TEST: 434

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97278

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Marked
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 9-1]		
	[Leukemia Mononuclear TGLS = 9-1]		
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Islets, Pancreatic		Adenoma	
	Note: ENTRAPPED ASCINAR CELLS ARE PRESENT IN THE NEOPLASM SUGGESTIVE OF A MIXED TUMOR		
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-7]		
	[Leukemia Mononuclear TGLS = 8-3]		
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLS = 6-21]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 254

TRT#: 7

SEX: Male

DAY ON TEST: 434

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97278

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

Note: TGL4 IS BELIEVED TO BE A HEMORRHAGIC AREA ON THE SPLEEN SECONDARY TO THE LEUKEMIA AND IS NOT DIAGNOSED

[Leukemia Mononuclear TGLS = 3-6,3-22]

* Stomach, Glandular

Erosion

Minimal

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 256

TRT#: 7

SEX: Male

DAY ON TEST: 380

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97280

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
* Liver			
Note: TGL10, ABNORMAL FISSURES AND LOBULATIONS OF THE LIVER ARE NOT ROUTINELY TABULATED			
* Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLS = 9-2,9-2-1]		
Lymph Node	Mediastinal	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	[Alveolar/Bronchiolar Carcinoma TGLS = 8-23]		
* Nose		Inflammation	Chronic, Minimal
Skeletal Muscle		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	[Alveolar/Bronchiolar Carcinoma TGLS = 5-21]		
* Testes	Germinal Epith	Atrophy	Mild
	[Atrophy TGLS = 3-7]		
* Thymus		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	[Alveolar/Bronchiolar Carcinoma TGLS = 7-22]		

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

Animal Note: SQUAMOUS METAPLASIA IS PRESENT IN THE NEOPLASTIC PROCESS

Animal Note: THE NEOPLASTIC PROCESS HAS SIMILARITIES TO PLEURAL MESOTHELIOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 256

TRT#: 7

SEX: Male

DAY ON TEST: 380

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97280

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL7, TISSUE NOS IS BELIEVED TO BE THYMUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 257

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
[Clear Cell Focus TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
[Hyperplasia TGLS = 3-1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	Follicle	Cyst	Minimal
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 257

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97281

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 259

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97283

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric |
| * Parathyroid Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thymus | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|----------------------------------|-----------|-----------------------|---------------------|
| * Adrenal Cortex | | Hypertrophy | Focal, Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Marked |
| [Nephropathy TGLS = 3-5] | | | |
| * Liver | | Angiectasis | Mild |
| | | Basophilic Focus | |
| | | Degeneration | Cystic, Mild |
| | Bile Duct | Hyperplasia | Mild |
| [Angiectasis TGLS = 6-23] | | | |
| [Degeneration TGLS = 6-23] | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| | | Inflammation | Chronic, Minimal |
| * Mammary Gland | | Cyst | Minimal |
| | | Hyperplasia | Mild |
| [Cyst TGLS = 1-8] | | | |
| [Hyperplasia TGLS = 2-21] | | | |
| Mesentery | | Accessory Spleen | Mild |
| [Accessory Spleen TGLS = 4-22] | | | |
| * Nose | | Foreign Body | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 259

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97283

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Inflammation	Chronic, Minimal
		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	[Adenoma TGLS = 5-1]		
	[Angiectasis TGLS = 5-1]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 260

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97284

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Parathyroid Gland	Peripheral Nerve	* Salivary Glands
Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Marked
[Compression TGLS = 11-1]			
* Eye		Cataract	Mild
[Cataract TGLS = 2-44]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia Nephropathy	Minimal Marked
[Nephropathy TGLS = 7-5]			
* Liver	Bile Duct	Clear Cell Focus Hyperplasia Leukemia Mononuclear	Moderate
[Leukemia Mononuclear TGLS = 8-6]			
* Lung		Inflammation	Chronic, Minimal
Lymph Node	Deep Cervical Mediastinal	Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-21]			
[Leukemia Mononuclear TGLS = 9-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 260

TRT#: 7

DOSE: 1000 MG/L

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 97284

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Cyst TGLS = 14-8]		Cyst	Mild
Mesentery Note: TGL15 IS REALLY A CYST INSTEAD OF DEGENERATION, HOWEVER, CYST IS NOT AVAILABLE IN THE DICTIONARY [Degeneration TGLS = 15-25]		Degeneration	Minimal
* Nose Note: FUNGAL ORGANISMS ARE PRESENT IN THE NASAL CAVITY		Inflammation	Chronic, Moderate
* Pancreas	Acinus	Atrophy	Mild
	Pars Distalis	Hyperplasia	Focal, Minimal
* Pituitary Gland [Adenoma TGLS = 12-23] [Angiectasis TGLS = 12-23]	Pars Distalis	Adenoma	Marked
		Angiectasis	
* Preputial Gland [Cyst TGLS = 4-8]		Cyst	Moderate
* Prostate [Inflammation TGLS = 3-7-1]		Inflammation	Chronic, Marked
* Seminal Vesicle		Inflammation	Moderate
* Skin [Hyperplasia TGLS = 13-22]		Hyperplasia	Moderate
* Spleen [Fibrosis TGLS = 6-24]		Fibrosis	Mild
		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL10 IS ENTERED AS DEEP CERVICAL NODE INSTEAD OF AXILLARY NODE WHICH IS NOT AVAILABLE IN THE DICTIONARY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 261

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97285

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
[Clear Cell Focus TGLS = 2-21]			
* Lung		Inflammation	Chronic, Minimal
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Hyperplasia	Focal, Mild
Note: HYPERPLASTIC LESION IS ALSO ON SLIDE 4 ADJACENT TO THE DUODENUM			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 262

TRT#: 7

SEX: Male

DAY ON TEST: 717

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97286

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLS = 4-10]		
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
	[Nephropathy TGLS = 5-5]		
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-22]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-5]		
* Pituitary Gland	Pars Distalis	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 262

TRT#: 7

SEX: Male

DAY ON TEST: 717

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97286

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland [Adenoma TGLS = 1-21]	Pars Distalis	Hyperplasia Adenoma	Focal, Mild
* Prostate [Inflammation TGLS = 10-7-1]		Inflammation	Chronic, Mild
* Spleen [Leukemia Mononuclear TGLS = 3-6]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 263

TRT#: 7

SEX: Male

DAY ON TEST: 357

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97287

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule	Minimal
* Brain	Oligodendroglioma Malignant	
[Oligodendroglioma Malignant TGLS = 1-1]		
* Heart	Cardiomyopathy	Minimal

PRIMARY CAUSE OF DEATH

- Brain Oligodendroglioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 265

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Natural Death

DAY ON TEST: 694

HISTO: 97289

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Thyroid Gland
--------------------------	--------------------------	----------------------------	-----------------

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Liver		Histiocytic Sarcoma	
		Leukemia Mononuclear	
[Histiocytic Sarcoma TGLS = 8-6]			
* Lung		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 6-22]			
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	
[Fibroadenoma TGLS = 9-23]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 7-1]			
[Angiectasis TGLS = 7-1]			
* Spleen		Histiocytic Sarcoma	
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 265

TRT#: 2

SEX: Female

DAY ON TEST: 694

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 97289

ORGAN AND ACCOUNTABLE SITE STATUS

[Histiocytic Sarcoma TGLS = 1-21]

[Leukemia Mononuclear TGLS = 2-21,3-21]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 266

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97290

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Adenoma	
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21,3-22]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-23]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 6-1]			
[Angiectasis TGLS = 6-1]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 267

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	Peripheral Nerve	* Salivary Glands
* Skin	Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymsus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 3-8]			
* Eye		Cataract	Moderate
[Cataract TGLS = 10-44]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 9-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 4-22,2-21,5-23]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 7-24,8-25]			
* Pancreas		Cyst	Minimal
[Cyst TGLS = 6-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 267

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97291

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis

Cyst

Marked

[Adenoma TGLS = 11-1]

[Angiectasis TGLS = 11-1]

[Cyst TGLS = 11-1]

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 270

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 97294

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 5-10]			
* Harderian Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Clear Cell Focus TGLS = 6-23]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21]			
* Ovary		Cyst	Minimal
[Cyst TGLS = 3-7]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-22]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 270

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97294

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 271

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-8]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 8-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 3-21,4-22]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-23]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 6-7]			
* Pituitary Gland	Pars Distalis	Angiectasis	Minimal
	Pars Distalis	Cyst	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 271

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97295

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Pars Distalis	Hyperplasia	Focal, Mild
	C Cell	Adenoma	
	Follicle	Cyst	Minimal
* Uterus		Hydrometra	Minimal

Note: UTERINE MASS CAN NOT BE FOUND

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 272

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 97296

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia	Minimal Focal, Mild
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-23]			
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus Hepatodiaphragmatic Nodule	Moderate
[Basophilic Focus TGLS = 5-6,5-22]			
[Hepatodiaphragmatic Nodule TGLS = 6-22]			
* Mammary Gland		Cyst Fibroadenoma	Minimal
[Cyst TGLS = 2-8]			
[Fibroadenoma TGLS = 3-21]			
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 272

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97296

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 275

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97299

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 7-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
Note: CONGESTION ACCOMPANIES THE HYPERPLASIA IN THE MEDIASTINAL NODE			
[Hyperplasia TGLS = 6-3]			
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21,3-22]			
* Ovary		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
[Adenoma TGLS = 8-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 275

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97299

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 8-1]

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 4-23]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 276

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Malignant	
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum		Leiomyosarcoma	
[Leiomyosarcoma TGLS = 2-21]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
[Cyst TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 277

TRT#: 2

SEX: Female

DAY ON TEST: 505

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	Minimal
Note: TGL3, ABNORMAL FISSURES AND LOBULATIONS OF THE LIVER ARE NOT ROUTINELY TABULATED			
[Hepatodiaphragmatic Nodule TGLS = 2-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Minimal
[Adenoma TGLS = 5-1]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

Animal Note: TGL1 IS ENTERED AS MAMMARY GLAND INSTEAD OF SKIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 278

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 97302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Ovary	* Pancreas	Peripheral Nerve	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
--------------------------	---------------------

OBSERVATIONS

* Bone	Vertebra	Osteosarcoma	
Note: THE NEOPLASTIC PROCESS IS ON SLIDE 41 WITH THE SPINAL CORD			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
	[Basophilic Focus TGLS = 6-6]		
	[Inflammation TGLS = 6-6]		
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
	[Hemorrhage TGLS = 5-2]		
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
	[Cyst TGLS = 3-8]		
	[Fibroadenoma TGLS = 2-22,1-21]		
* Nose		Foreign Body	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Minimal
Spinal Cord			
Note: SLIGHT COMPRESSION OF THE SPINAL CORD IS ASSOCIATED WITH THE NEOPLASTIC PROCESS			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 278

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97302

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 280

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
Note: SLIGHT ECTASIA AND CONGESTION ACCOMPANY THE HYPERPLASIA IN THE MEDIASTINAL NODE			
[Hyperplasia TGLS = 3-22]			
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	
[Cyst TGLS = 2-8]			
[Fibroadenoma TGLS = 1-21]			
* Ovary		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 281

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 668

HISTO: 97305

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
Note: TGL6, ABNORMAL FISSURES AND LOBULATIONS ARE NOT ROUTINELY TABULATED			
	[Inflammation TGLS = 7-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
	[Hyperplasia TGLS = 3-5]		
* Mammary Gland		Cyst	Minimal
	[Fibroadenoma TGLS = 2-21]	Fibroadenoma	
Oral Mucosa	Pharyngeal	Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 4-23]		
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Minimal
	[Cyst TGLS = 5-1]		
	[Hyperplasia TGLS = 5-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 281

TRT#: 2

SEX: Female

DAY ON TEST: 668

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97305

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

Animal Note: TGL4 IS ENTERED AS ORAL MUCOSA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 282

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Natural Death

DAY ON TEST: 725

HISTO: 97306

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 8-22]		
	[Leukemia Mononuclear TGLS = 7-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Cyst	Mild
		Fibroadenoma	
	[Cyst TGLS = 1-8]		
	[Fibroadenoma TGLS = 2-21]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 282

TRT#: 2

SEX: Female

DAY ON TEST: 725

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 97306

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis

Cyst

Mild

[Adenoma TGLS = 10-8]

[Angiectasis TGLS = 10-8]

[Cyst TGLS = 10-8]

* Spleen

Leukemia Mononuclear

Note: LACERATIONS AND NECROSIS ARE CONSIDERED COMPLICATIONS OF LEUKEMIA AND ARE NOT TABULATED

[Leukemia Mononuclear TGLS = 3-23,3-24,4-23,5-24]

* Stomach, Forestomach

Epithelium

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 283

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97307

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 2-21]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-7]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Cyst	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Minimal
	Pars Distalis	Cyst	Mild
	[Adenoma TGLS = 4-1]		
	[Angiectasis TGLS = 4-1]		
	[Cyst TGLS = 4-1]		
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 283

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97307

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

C Cell

Hyperplasia

Mild

[Adenoma TGLS = 1-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 284

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 97308

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-21]			
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Adenoma	
[Adenoma TGLS = 11-27]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 5-6]		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 3-7]			
* Mammary Gland		Cyst	Minimal
[Fibroadenoma TGLS = 2-22]		Fibroadenoma	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Skin		Inflammation	Chronic, Marked
[Inflammation TGLS = 9-23,10-24]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 284

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97308

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 7-25]

PRIMARY CAUSE OF DEATH -

Animal Note: TGL 9 IS ENTERED AS SKIN INSTEAD OF SKELETAL MUSCLE

Animal Note: TGL 9 AND 10 ARE BELIEVED TO BE EXTENSIONS OF THE INFLAMMATORY PROCESS ASSOCIATED WITH TGL 1

Animal Note: TGL1 IS ENTERED AS CLITORAL GLAND INSTEAD OF SKIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 285

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
Note: TGL5, ABNORMAL FISSURES AND LOBULATIONS ARE NOT ROUTINELY TABULATED			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
Note: THE SMALL HYPERPLASTIC LESION IS ON SLIDE 2 INSTEAD OF 24 [Infiltration Cellular TGLS = 6-24.2]			
* Mammary Gland		Cyst	Mild
		Fibroadenoma	
		[Cyst TGLS = 1-8,2-21]	
		[Fibroadenoma TGLS = 3-22]	
* Pancreas		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 286

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97310

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-24]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Marked
Note: ENTRAPPED ACINAR CELLS ARE PRESENT SUGGESTIVE OF A MIXED TUMOR			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
[Hepatodiaphragmatic Nodule TGLS = 7-23]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Mild
		Fibroadenoma	
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 4-22]			
* Pituitary Gland	Pars Distalis	Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 286	TRT#: 2 DOSE: 0 MG/L	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO: 97310
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ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 8-1]			
* Skin		Hyperkeratosis	Minimal
[Hyperkeratosis TGLS = 3-21]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 6-7]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 287

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Note: ONE OF PAIR MISSING			
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Cyst	Mild
[Cyst TGLS = 4-8]			
* Islets, Pancreatic		Carcinoma	Metastatic (Thyroid Gland)
* Kidney		Carcinoma	Metastatic (Thyroid Gland)
		Nephropathy	Mild
Note: METESTATIC LESIONS ARE IN GLOMERULI			
* Liver		Degeneration	Cystic, Minimal
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 13-23]			
[Leukemia Mononuclear TGLS = 12-6]			
* Lung		Carcinoma	Metastatic (Thyroid Gland)
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Carcinoma	Metastatic (Thyroid Gland)
	Mediastinal	Carcinoma	Metastatic (Thyroid Gland)
	Pancreatic	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 287

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97311

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 15-27,16-24]

[Carcinoma TGLS = 18-25]

[Leukemia Mononuclear TGLS = 11-7]

* Lymph Node, Mesenteric

Leukemia Mononuclear

* Mammary Gland

Cyst

Mild

[Cyst TGLS = 5-8]

Fibroadenoma

Multiple

[Fibroadenoma TGLS = 2-21,3-22]

Oral Mucosa

Carcinoma

Metastatic (Thyroid Gland)

[Carcinoma TGLS = 19-26]

* Ovary

Bilateral

Carcinoma

Metastatic (Thyroid Gland)

[Carcinoma TGLS = 7-7,8-7]

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 20-1]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 6-6]

* Thyroid Gland

C Cell

Carcinoma

[Carcinoma TGLS = 17-3]

Tongue

Carcinoma

Metastatic (Thyroid Gland)

[Carcinoma TGLS = 21-28]

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL15, THYMUS, IS ENTERED AS MEDIASTINAL NODE

Animal Note: TGL19, TISSUE NOS, IS ENTERED AS ORAL CAVITY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 288

TRT#: 2

SEX: Female

DAY ON TEST: 634

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 97312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	Marked
[Compression TGLS = 4-1]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 6-6]		Hepatodiaphragmatic Nodule	Mild
[Hepatodiaphragmatic Nodule TGLS = 3-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
[Cyst TGLS = 1-8]		Fibroadenoma	
[Fibroadenoma TGLS = 2-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]	Pars Distalis	Angiectasis	Marked
[Angiectasis TGLS = 5-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 288

TRT#: 2

SEX: Female

DAY ON TEST: 634

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 97312

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 7-7]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 290

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97314

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adren Medulla			
Note: ONE OF PAIR MISSING			
* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	Mild
		Inflammation	Chronic, Minimal
[Hepatodiaphragmatic Nodule TGLS = 8-25]			
Lymph Node	Deep Cervical	Hyperplasia	Lymphoid, Minimal
	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 6-24]			
[Hyperplasia TGLS = 5-3]			
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 3-22,4-23,9-26]			
* Ovary		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 290

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97314

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis

Angiectasis

Mild

Pars Distalis

Cyst

Mild

[Adenoma TGLS = 7-1]

[Angiectasis TGLS = 7-1]

[Cyst TGLS = 7-1]

* Skin

Subcut Tiss

Fibroma

[Fibroma TGLS = 2-21]

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2 IS ENTERED AS SKIN INSTEAD OF MAMMARY GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 291

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97315

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Brain		Compression	Moderate
[Compression TGLS = 11-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	Minimal
		Leukemia Mononuclear	
Note: CLEAR CELL FOCUS IS ALSO PRESENT ON SLIDE 23			
[Clear Cell Focus TGLS = 6-24]			
[Hepatodiaphragmatic Nodule TGLS = 5-23]			
* Lung	Pleura	Fibrosis	Mild
		Infiltration Cellular	Histiocyte, Minimal
[Fibrosis TGLS = 8-2]			
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 7-3]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 4-5]			
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 291

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97315

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 2-8] [Fibroadenoma TGLS = 9-25,1-21] Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-22] * Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis Pars Distalis	Adenoma Angiectasis	Moderate
[Adenoma TGLS = 10-1] [Angiectasis TGLS = 10-1] * Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 292

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97316

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia Hypertrophy	Minimal Focal, Minimal Focal, Minimal
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Brain		Compression	Mild
Note: NO CORRESPONDING LESION FOR TGL 6. [Compression TGLS = 5-1]			
* Harderian Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus Clear Cell Focus	
	Bile Duct	Hyperplasia Inflammation	Minimal Chronic, Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Minimal
[Hemorrhage TGLS = 4-3]			
* Mammary Gland		Cyst Fibroadenoma	Mild Multiple
[Cyst TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 292	TRT#: 2 DOSE: 0 MG/L	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: 97316
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ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 2-21,3-22]			
* Pituitary Gland	Pars Distalis Pars Distalis	Adenoma Angiectasis	Minimal
[Adenoma TGLS = 7-1] [Angiectasis TGLS = 7-1]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 293

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97317

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Clitoral Gland		Hyperplasia	Mild
		Inflammation	Chronic, Mild
	[Hyperplasia TGLS = 2-8]		
	[Inflammation TGLS = 2-8]		
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
	[Basophilic Focus TGLS = 4-6]		
	[Inflammation TGLS = 4-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1-21,3-22]		
* Pancreas		Atrophy	Mild
	Acinus	Hyperplasia	Focal, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 293

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97317

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 295

TRT#: 2

SEX: Female

DAY ON TEST: 505

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97319

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

INSUFFICIENT TISSUE

* Adrenal Medulla

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
	[Adenoma TGLS = 1-21]		
* Heart		Cardiomyopathy	Minimal
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Vacuolization Cytoplasmic TGLS = 2-6,3-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
	[Hyperplasia TGLS = 4-3]		
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Spleen		Pigmentation	Minimal

PRIMARY CAUSE OF DEATH - Clitoral Gland Adenoma

Animal Note: TGL1 WILL BE ENTERED AS CLITORAL GLAND INSTEAD OF SKIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 296

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97320

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 2-1]			
[Angiectasis TGLS = 2-1]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 297

TRT#: 2

SEX: Female

DAY ON TEST: 411

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 97321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|--------------------------|--------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Islets, Pancreatic | * Kidney | * Liver | * Lung |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- * Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

- | | | |
|-----------------------------|--------------------------|----------------------------|
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
|-----------------------------|--------------------------|----------------------------|

OBSERVATIONS

- | | | | |
|--------------------------|-----|----------------|---------|
| * Heart | | Cardiomyopathy | Minimal |
| Mesentery | Fat | Necrosis | Mild |
| [Necrosis TGLS = 1-21] | | | |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 300

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 97324

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lymph Node, Mesenteric	* Nose	* Ovary
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
--------------------------	---------------------

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia	Minimal Focal, Mild
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Bone Marrow		Hyperplasia	Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-8]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
[Leukemia Mononuclear TGLS = 4-6]			
* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular	Mild Histiocyte, Minimal
* Mammary Gland		Cyst Fibroadenoma	Minimal
[Fibroadenoma TGLS = 1-21]			
Mesentery		Accessory Spleen	Minimal
[Accessory Spleen TGLS = 3-22]			
* Pancreas		Atrophy	Moderate
Note: ATROPHY IS ALSO PRESENT ON SLIDE 22			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 300

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97324

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 301

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97325

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Mild
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Moderate
[Compression TGLS = 12-1]			
* Clitoral Gland		Cyst	Mild
[Cyst TGLS = 7-26]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 301

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97325

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 1-8]

[Fibroadenoma TGLS = 2-21,3-22,4-23,5-24,6-25]

* Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Cyst

Moderate

[Adenoma TGLS = 11-1]

[Cyst TGLS = 11-1]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 8-6]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 302

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97326

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-8]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 7-24,4-22,3-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
[Cyst TGLS = 6-1]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 5-23]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 303

TRT#: 2

SEX: Female

DAY ON TEST: 679

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97327

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-24]		
	[Leukemia Mononuclear TGLS = 9-22]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Cyst	Mild
		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 303

TRT#: 2

SEX: Female

DAY ON TEST: 679

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97327

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 8-8]

[Fibroadenoma TGLS = 1-21]

* Ovary

Leukemia Mononuclear

* Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Angiectasis

Mild

Pars Distalis

Cyst

Mild

Leukemia Mononuclear

[Adenoma TGLS = 10-1]

[Angiectasis TGLS = 10-1]

[Cyst TGLS = 10-1]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-23]

* Stomach, Forestomach

Epithelium

Hyperplasia

Minimal

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 5-24]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 305

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 682

HISTO: 97329

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Mild
* Bone Marrow		Myelofibrosis	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 3-8]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-5]			
* Mammary Gland		Cyst	Mild
[Cyst TGLS = 4-8]		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-21,5-22,10-26]			
Mesentery		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-25]			
* Pancreas		Atrophy	Mild
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 305

TRT#: 2

SEX: Female

DAY ON TEST: 682

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97329

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

Erosion

Minimal

* Thyroid Gland

C Cell

Hyperplasia

Moderate

* Uterus

Note: TGL6 IS A BLOOD CLOT AND IS NOT TABULATED

PRIMARY CAUSE OF DEATH

- Mesentery Leukemia Mononuclear

Animal Note: TGL9, TISSUE NOS, IS ENTERED AS MESENTERY INSTEAD OF DIAPHRAGM

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 306

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97330

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
	[Cyst TGLS = 1-8]		
	[Fibroadenoma TGLS = 3-22,2-21,4-23]		
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Mild
	[Adenoma TGLS = 8-1]		
	[Angiectasis TGLS = 8-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 306

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97330

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 8-1]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 7-6]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 5-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 307

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 97331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Ovary	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Brain		Compression	Mild
[Compression TGLS = 5-1]			
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 6-6]			
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Cyst TGLS = 3-8]			
[Fibroadenoma TGLS = 2-22,1-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
[Adenoma TGLS = 4-23]			
[Angiectasis TGLS = 4-23]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 307

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97331

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 310

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97334

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Mild
[Compression TGLS = 10-1]			
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 4-25]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 3-22,5-23,2-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 310

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97334

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Foreign Body Inflammation	Minimal Chronic, Minimal
* Pituitary Gland	Pars Distalis Pars Distalis	Adenoma Angiectasis	Moderate
	[Adenoma TGLS = 9-1] [Angiectasis TGLS = 9-1]		
* Spleen		Leukemia Mononuclear Necrosis	Mild
	[Leukemia Mononuclear TGLS = 6-6] [Necrosis TGLS = 7-24]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 311

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97335

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia	Minimal Focal, Mild
		Note: THE ADRENAL CORTICAL LESION IS EXTREMELY CELLULAR	
		Note: A METACHROMATIC STAIN APPLIED TO THE ADRENAL CORTICAL LESION IS NEGATIVE	
* Clitoral Gland		Cyst Inflammation	Mild Chronic, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus Clear Cell Focus Hyperplasia	
	Bile Duct		Minimal
		Note: NO CORRELATING LESION FOR TGL 3.	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst Fibroadenoma	Mild
		[Fibroadenoma TGLS = 1-21]	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 311	TRT#: 2 DOSE: 0 MG/L	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO: 97335
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-1]

[Angiectasis TGLS = 2-1]

[Cyst TGLS = 2-1]

* Thyroid Gland

Follicle

C Cell

Cyst

Hyperplasia

Minimal

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 312

TRT#: 2

SEX: Female

DAY ON TEST: 483

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97336

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	Peripheral Nerve	* Salivary Glands
* Skin	Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Brain		Compression	Marked
[Compression TGLS = 1-2]			
* Mammary Gland		Cyst	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 2-21]			
[Angiectasis TGLS = 2-21]			
* Spleen		Pigmentation	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 313

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 637

HISTO: 97337

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Trachea		

MISSING

* Islets, Pancreatic	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-5]		
* Mammary Gland		Cyst	Minimal
* Pituitary Gland		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-1]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 313

TRT#: 2

SEX: Female

DAY ON TEST: 637

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97337

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Stomach, Glandular		Erosion	Minimal
		Leukemia Mononuclear	
[Erosion TGLS = 6-4]			
[Leukemia Mononuclear TGLS = 6-4]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 315

TRT#: 2

SEX: Female

DAY ON TEST: 525

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97339

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Marked
* Eye		Cataract	Moderate
[Cataract TGLS = 2-44]			
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
[Cyst TGLS = 3-1]			
[Hyperplasia TGLS = 3-1]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 316

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97340

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	Peripheral Nerve	* Salivary Glands
* Skin	Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
		Hypertrophy	Focal, Minimal
* Eye		Cataract	Minimal
[Cataract TGLS = 4-44]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-22,5-23,1-21]			
* Ovary		Cyst	Mild
[Cyst TGLS = 3-7]			
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
* Thyroid Gland	Follicle	Cyst	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 316

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97340

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 317

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 97341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Clitoral Gland		Cyst	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 4-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Minimal
[Alveolar/Bronchiolar Adenoma TGLS = 6-2]			
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 2-8]			
[Fibroadenoma TGLS = 1-21,3-22]			
* Pituitary Gland	Pars Distalis	Angiectasis	Minimal
	Pars Distalis	Cyst	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 317

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97341

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 5-1]

Pars Distalis

Hyperplasia

Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 318

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 97342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland
Peripheral Nerve	* Salivary Glands	* Skin	Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Focal, Minimal
* Clitoral Gland	Adenoma	
[Adenoma TGLS = 1-26]		
* Eye	Cataract	Moderate
[Cataract TGLS = 9-44]		
* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Clear Cell Focus	
	Eosinophilic Focus	
	Hemorrhage	Minimal
	Hepatodiaphragmatic Nodule	Minimal
	Inflammation	Chronic, Minimal
Note: CLEAR CELL FOCUS IS ON SLIDE 23		
Note: EOSINOPHILIC FOCUS IS ON SLIDE 6		
[Basophilic Focus TGLS = 7-25,8-6]		
[Hemorrhage TGLS = 5-23]		
[Hepatodiaphragmatic Nodule TGLS = 6-24]		
* Lung	Infiltration Cellular	Histiocyte, Minimal
	Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 318

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97342

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Cyst Fibroadenoma	Minimal
[Cyst TGLS = 3-8]			
[Fibroadenoma TGLS = 2-21]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-22]			
* Nose		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Hyperplasia	Focal, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Thyroid Gland	Follicle	Cyst	Minimal
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 320

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 97344

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 5-10]			
* Clitoral Gland	Bilateral	Adenoma	
[Adenoma TGLS = 2-23]			
* Heart		Cardiomyopathy	Mild
		Schwannoma Benign	
[Schwannoma Benign TGLS = 8-12]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 6-6]			
[Inflammation TGLS = 6-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 4-22,3-21]			
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 320

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97344

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Angiectasis

Mild

Pars Distalis

Cyst

Minimal

Pars Distalis

Hyperplasia

Focal, Mild

[Angiectasis TGLS = 7-1]

[Cyst TGLS = 7-1]

[Hyperplasia TGLS = 7-1]

* Thyroid Gland

Follicle

Cyst

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 321

TRT#: 2

SEX: Female

DAY ON TEST: 668

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97345

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
[Basophilic Focus TGLS = 5-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
Note: SLIGHT ECTASIA ACCOMPANIES THE HYPERPLASIA IN THE MEDIASTINAL NODE			
[Hyperplasia TGLS = 3-3]			
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	
[Cyst TGLS = 2-8]			
[Fibroadenoma TGLS = 1-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Minimal
	Pars Distalis	Cyst	Mild
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 321

TRT#: 2

SEX: Female

DAY ON TEST: 668

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97345

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 322

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97346

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia Hypertrophy	Focal, Moderate Focal, Minimal
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus Clear Cell Focus	
	Bile Duct	Hyperplasia Inflammation	Minimal Chronic, Minimal
* Mammary Gland		Cyst Fibroadenoma	Mild Multiple
[Cyst TGLS = 2-8]			
[Fibroadenoma TGLS = 3-22,4-23,1-21,5-24]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 6-25]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 7-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 322

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97346

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 7-1]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

Ultimobranchial Cyst

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 323

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97347

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Mild
[Compression TGLS = 8-1]			
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 4-25]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
Note: ECTASIA ACCOMPANIES THE HYPERPLASIA OF THE MEDIASTINAL NODE			
[Hyperplasia TGLS = 6-3]			
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 5-8]			
[Fibroadenoma TGLS = 1-21,2-22,3-23,9-26]			
* Nose		Inflammation	Chronic, Marked
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
[Adenoma TGLS = 7-24]			
[Angiectasis TGLS = 7-24]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 323

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97347

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 324

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97348

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Mild
		Fibroadenoma	
	[Cyst TGLS = 1-8]		
	[Fibroadenoma TGLS = 2-21]		
* Ovary		Cyst	Moderate
	[Cyst TGLS = 3-7]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
	[Cyst TGLS = 4-1]		
	[Hyperplasia TGLS = 4-1]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 325

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97349

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
Note: CYTOPLASMIC VACUOLIZATION IS PROMINENT IN THE HYPERPLASTIC LESION			
* Harderian Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	Minimal
		Inflammation	Chronic, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 5-24]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Carcinoma	
		Cyst	Mild
		Fibroadenoma	
	[Carcinoma TGLS = 1-21]		
	[Cyst TGLS = 3-8]		
	[Fibroadenoma TGLS = 2-22,4-23]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 325

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97349

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 326

TRT#: 2

SEX: Female

DAY ON TEST: 612

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97350

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-5]		
* Mammary Gland		Cyst	Mild
		Fibroadenoma	
	[Cyst TGLS = 3-8]		
	[Fibroadenoma TGLS = 2-21]		
* Pancreas		Atrophy	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 326

TRT#: 2

SEX: Female

DAY ON TEST: 612

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97350

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Mild
		Leukemia Mononuclear	
	[Angiectasis TGLS = 8-1]		
	[Cyst TGLS = 8-1]		
	[Leukemia Mononuclear TGLS = 8-1]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-3]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL5, ENLARGED ADRENAL GLAND, IS BELIEVED TO BE A MESENTERIC NODE WHICH WILL BE DOCUMENTED AS TGL9

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 327

TRT#: 2

SEX: Female

DAY ON TEST: 468

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97351

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Brain		Compression	Moderate
[Compression TGLS = 4-1]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Clear Cell Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Marked
[Cyst TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
[Adenoma TGLS = 3-21]			
[Angiectasis TGLS = 3-21]			
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach		Ulcer	Moderate
[Ulcer TGLS = 6-22]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 328

TRT#: 2

SEX: Female

DAY ON TEST: 668

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-22]	Vacuolization Cytoplasmic	Minimal
	[Vacuolization Cytoplasmic TGLS = 5-22]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
	[Cyst TGLS = 1-8]	Fibroadenoma	
	[Fibroadenoma TGLS = 2-21]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 328

TRT#: 2

SEX: Female

DAY ON TEST: 668

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 97352

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 331

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97355

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adren Medulla			
Note: ONE OF PAIR MISSING			
* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 8-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 6-24]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 5-3]			
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Cyst TGLS = 4-8]			
[Fibroadenoma TGLS = 1-21,3-23,2-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 331

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97355

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 7-1]

[Angiectasis TGLS = 7-1]

* Spleen

Hematopoietic Cell Proliferation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 332

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97356

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-21]			
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 5-3]			
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 4-8]			
[Fibroadenoma TGLS = 2-22,3-23,6-24]			
* Ovary		Cyst	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 333

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97357

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia Leukemia Mononuclear	Focal, Marked
[Hyperplasia TGLS = 7-10]			
* Heart		Cardiomyopathy Leukemia Mononuclear	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule Leukemia Mononuclear	Mild
[Hepatodiaphragmatic Nodule TGLS = 9-23]			
[Leukemia Mononuclear TGLS = 8-6]			
* Lung		Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
Lymph Node	Mediastinal Pancreatic	Leukemia Mononuclear Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-7]			
[Leukemia Mononuclear TGLS = 10-3]			
* Mammary Gland		Cyst Fibroadenoma	Minimal Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21,3-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 333

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97357

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Cyst

Mild

* Spleen

[Leukemia Mononuclear TGLS = 6-6]

Leukemia Mononuclear

* Thyroid Gland

C Cell

Adenoma

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 334

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97358

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Clitoral Gland		Adenoma	
* Harderian Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	Mild
		Inflammation	Chronic, Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Mild
		Fibroadenoma	
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Mild
[Adenoma TGLS = 4-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 334

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97358

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 4-1]

[Cyst TGLS = 4-1]

* Spleen

Hematopoietic Cell Proliferation

Minimal

* Thyroid Gland

Bilateral, C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 336

TRT#: 4

SEX: Female

DAY ON TEST: 707

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 97360

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
--------------------------	-----------------------------	--------------------------	----------------------------

OBSERVATIONS

* Adrenal Cortex Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION		Hyperplasia	Focal, Mild
* Brain [Compression TGLS = 6-1]		Compression	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver [Clear Cell Focus TGLS = 7-6]		Clear Cell Focus Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland [Cyst TGLS = 1-8] [Fibroadenoma TGLS = 2-21,3-23,4-22,9-25]		Cyst Fibroadenoma	Mild Multiple
* Pituitary Gland [Adenoma TGLS = 5-1] [Angiectasis TGLS = 5-1]	Pars Distalis Pars Distalis	Adenoma Angiectasis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 336

TRT#: 4

SEX: Female

DAY ON TEST: 707

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 97360

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

Animal Note: TGL3 IS ENTERED AS MAMMARY GLAND INSTEAD OF CLITORAL GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 337

TRT#: 4

SEX: Female

DAY ON TEST: 584

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 97361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum * Intestine Small, Ileum

OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 4-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
[Basophilic Focus TGLS = 8-22]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
Note: CONGESTION ACCOMPANIES THE HYPERPLASIA IN THE MEDIASTINAL NODE			
[Hyperplasia TGLS = 7-3]			
* Mammary Gland		Cyst	Mild
		Fibroadenoma	
[Cyst TGLS = 2-21]			
[Fibroadenoma TGLS = 2-21]			
* Pancreas	Acinus	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
[Adenoma TGLS = 5-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 337

TRT#: 4

SEX: Female

DAY ON TEST: 584

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 97361

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 5-1]

* Uterus

Inflammation

Chronic, Mild

Note: UTERINE CONTENT IS A MASS OF DETRITUS AND NECROTIC CELLULAR DEBRIS

[Inflammation TGLS = 3-7]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 338

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
--------------------------	---------------------

OBSERVATIONS

* Adren Medulla			
Note: ONE OF PAIR MISSING			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Mild
[Adenoma TGLS = 2-1]			
[Angiectasis TGLS = 2-1]			
[Cyst TGLS = 2-1]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 339

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97363

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Bone | * Brain | * Clitoral Gland |
| * Esophagus | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mesenteric | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | Peripheral Nerve | * Pituitary Gland |
| * Salivary Glands | Spinal Cord | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-----------------------------------------------------------------------|-------------|-----------------------|---------------------|
| * Adrenal Cortex | | Hyperplasia | Focal, Mild |
| Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION | | | |
| * Bone Marrow | | Hyperplasia | Minimal |
| * Eye | | Cataract | Moderate |
| [Cataract TGLS = 3-22] | | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| [Basophilic Focus TGLS = 4-6] | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| | | Inflammation | Chronic, Minimal |
| Lymph Node | Mediastinal | Hyperplasia | Lymphoid, Minimal |
| * Mammary Gland | | Cyst | Mild |
| [Cyst TGLS = 1-8] | | | |
| * Skin | Subcut Tiss | Fibroma | |
| [Fibroma TGLS = 2-21] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 340

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97364

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 6-24]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst Fibroadenoma	Minimal Multiple
[Cyst TGLS = 3-8]			
[Fibroadenoma TGLS = 1-21,2-22]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-23]			
* Pituitary Gland	Pars Distalis Pars Distalis	Adenoma Cyst	Mild
[Adenoma TGLS = 5-1]			
[Cyst TGLS = 5-1]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 340

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97364

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 341

TRT#: 4

SEX: Female

DAY ON TEST: 645

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 97365

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 4-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Note: TGL7, ABNORMAL FISSURES AND LOBULATIONS ARE NOT ROUTINELY TABULATED			
* Mammary Gland		Cyst	Mild
		Fibroadenoma	
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21]			
* Ovary		Cyst	Mild
[Cyst TGLS = 3-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
[Adenoma TGLS = 5-1]			
[Angiectasis TGLS = 5-1]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 342

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97366

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	Peripheral Nerve
* Salivary Glands	* Skin	Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Clitoral Gland	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Brain		Compression	Mild
[Compression TGLS = 7-1]			
* Eye		Cataract	Mild
[Cataract TGLS = 1-44]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Note: TGL5 DESCRIBED AS A LIVER MASS IS BELIEVED TO BE AN ABNORMAL LOBULATION AND IS NOT TABULATED			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-21,3-22]			
* Ovary		Cyst	Mild
[Cyst TGLS = 4-7]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 342

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97366

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-1]

[Angiectasis TGLS = 6-1]

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 343

TRT#: 4

SEX: Female

DAY ON TEST: 679

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97367

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-22]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-5]			
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	
[Cyst TGLS = 6-8]			
[Fibroadenoma TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
		Leukemia Mononuclear	
[Cyst TGLS = 8-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 343

TRT#: 4

SEX: Female

DAY ON TEST: 679

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97367

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 346

TRT#: 4

SEX: Female

DAY ON TEST: 674

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97370

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8,2-24]			
[Fibroadenoma TGLS = 3-21,4-22]			
* Pituitary Gland	Pars Distalis	Angiectasis	Minimal
	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
[Adenoma TGLS = 9-3]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 7-23]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 346

TRT#: 4

SEX: Female

DAY ON TEST: 674

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97370

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 347

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
--------------------------	---------------------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Marked
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
	[Alveolar/Bronchiolar Carcinoma TGLS = 7-25]		
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
	[Hyperplasia TGLS = 6-24]		
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
	[Cyst TGLS = 4-8]		
	[Fibroadenoma TGLS = 3-22,2-21,5-23]		
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 347

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97371

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 348

TRT#: 4

DOSE: 250 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 97372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Brain		Compression	Mild
[Compression TGLS = 6-1]			
* Clitoral Gland		Cyst	Moderate
[Cyst TGLS = 4-8]			
* Harderian Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Diffuse, Mild
		Infarct	Mild
	Transit Epithe	Inflammation	Chronic Active, Mild
		Nephropathy	Mild
[Infarct TGLS = 5-5]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	Mild
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
[Hepatodiaphragmatic Nodule TGLS = 8-23]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 348

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97372

ORGAN AND ACCOUNTABLE SITE STATUS

		Fibroadenoma	Multiple
[Cyst TGLS = 3-8]			
[Fibroadenoma TGLS = 1-21,2-22]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 7-1]			
[Angiectasis TGLS = 7-1]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 351

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97375

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Bone | * Brain | * Clitoral Gland |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | Peripheral Nerve |
| * Salivary Glands | * Skin | Spinal Cord | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------|--------------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule
Hyperplasia | Minimal
Focal, Marked |
| Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION
[Hyperplasia TGLS = 8-10] | | | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Leukemia Mononuclear | |
| * Liver | | Basophilic Focus
Clear Cell Focus
Leukemia Mononuclear | |
| [Basophilic Focus TGLS = 9-6] | | | |
| * Lung | | Infiltration Cellular
Leukemia Mononuclear | Histiocyte, Minimal |
| Lymph Node | Deep Cervical
Mediastinal | Leukemia Mononuclear
Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 12-27]
[Leukemia Mononuclear TGLS = 11-26] | | | |
| * Mammary Gland | | Cyst
Fibroadenoma | Mild
Multiple |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 351

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97375

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 1-8] [Fibroadenoma TGLS = 2-21,3-22] Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 7-24]			
* Pituitary Gland	Pars Distalis Pars Distalis Pars Distalis	Angiectasis Cyst Hyperplasia	Mild Mild Focal, Mild
[Angiectasis TGLS = 13-1] [Cyst TGLS = 13-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6,6-23]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 10-25,10-9-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 352

TRT#: 4

SEX: Female

DAY ON TEST: 699

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97376

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
Note: DIAGNOSIS OF NEOPLASIA MADE INSTEAD OF HYPERPLASIA BECAUSE OF MITOTIC FIGURES			
* Bone		Osteosarcoma	
	[Osteosarcoma TGLS = 4-22]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
	[Basophilic Focus TGLS = 6-6]		
	[Eosinophilic Focus TGLS = 5-23]		
* Lung		Osteosarcoma	Metastatic (Bone)
Note: SMALL METASTATIC FOCI ARE ALSO PRESENT ON SLIDE 2			
	[Osteosarcoma TGLS = 7-24]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-21]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 352	TRT#: 4	SEX: Female	DAY ON TEST: 699
	DOSE: 250 MG/L	DISP: Moribund Sacrifice	HISTO: 97376

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Minimal
-----------------	--------	-------------	---------

PRIMARY CAUSE OF DEATH	- Bone Osteosarcoma		
------------------------	---------------------	--	--

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 353

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97377

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone Marrow | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- | | |
|-------------------|--------------------------|
| * Adrenal Medulla | * Lymph Node, Mandibular |
|-------------------|--------------------------|

OBSERVATIONS

- | | | | |
|-----------------------------------------------------------------------|-------------|-----------------------|---------------------|
| * Adrenal Cortex | | Hyperplasia | Focal, Mild |
| Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION | | | |
| * Bone | Femur | Osteopetrosis | Minimal |
| [Osteopetrosis TGLS = 9-22] | | | |
| * Brain | | Compression | Mild |
| [Compression TGLS = 7-1] | | | |
| * Clitoral Gland | | Adenoma | |
| [Adenoma TGLS = 3-24] | | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Inflammation | Chronic, Minimal |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| Lymph Node | Mediastinal | Hyperplasia | Lymphoid, Minimal |
| [Hyperplasia TGLS = 5-3] | | | |
| * Mammary Gland | | Cyst | Mild |
| [Cyst TGLS = 1-8] | | | |
| [Fibroadenoma TGLS = 2-21] | | | |
| Mesentery | Fat | Necrosis | Minimal |
| [Necrosis TGLS = 4-23] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 353

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97377

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 8-1]

Pars Distalis

Angiectasis

[Angiectasis TGLS = 8-1]

Mild

* Thyroid Gland

C Cell

Hyperplasia

Moderate

Vagina

Cyst

Mild

[Cyst TGLS = 6-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 354

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97378

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
		[Fibroadenoma TGLS = 1-21,2-22,4-24,3-23]	
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Spleen		Pigmentation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 356

TRT#: 4

SEX: Female

DAY ON TEST: 507

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 97380

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Heart
* Intestine Large, Rectum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum			

OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule	Minimal
* Harderian Gland	Inflammation	Chronic, Minimal
* Liver	Basophilic Focus	
* Lung	Congestion	Minimal
* Pancreas	Atrophy	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 357

TRT#: 4

DOSE: 250 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 97381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
[Basophilic Focus TGLS = 5-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 7-23]			
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	
[Cyst TGLS = 3-8]			
[Fibroadenoma TGLS = 2-22]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Mild
[Cyst TGLS = 6-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 357

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97381

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin			Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-21]				
* Thyroid Gland	C Cell		Adenoma	
	C Cell		Hyperplasia	Moderate
* Uterus			Hydrometra	Mild
[Hydrometra TGLS = 4-7]				

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 358

TRT#: 4

SEX: Female

DAY ON TEST: 610

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97382

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Malignant	
	[Pheochromocytoma Malignant TGLS = 8-10]		
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Cyst	Marked
	[Cyst TGLS = 4-8]		
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 15-2]		
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10--7]		
	[Leukemia Mononuclear TGLS = 14-24]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 358

TRT#: 4

SEX: Female

DAY ON TEST: 610

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97382

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 13-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 18-5]			
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21,3-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 17-1]			
[Angiectasis TGLS = 17-1]			
* Spleen		Leukemia Mononuclear	
Note: TGL7, SPLEEN FOCUS, IS SCAR TISSUE SECONDARY TO THE LEUKEMIA AND IS NOT TABULATED			
[Leukemia Mononuclear TGLS = 6-23]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-3]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Zymbal's Gland		Adenoma	
[Adenoma TGLS = 16-25]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 361

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97385

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Adenoma	
		Cyst	Mild
	[Adenoma TGLS = 5-8]		
	[Cyst TGLS = 5-8]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
	[Cyst TGLS = 3-8]		
	[Fibroadenoma TGLS = 4-23,1-21,2-22]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 361

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97385

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 362

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97386

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia	Minimal Focal, Moderate
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus Clear Cell Focus Mixed Cell Focus	
[Basophilic Focus TGLS = 3-6]			
* Lung		Infiltration Cellular Inflammation Cyst	Histiocyte, Minimal Chronic, Minimal Mild
* Mammary Gland			
[Cyst TGLS = 1-8]			
* Pancreas		Atrophy	Marked
[Atrophy TGLS = 2-7]			
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Adenocarcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 363

TRT#: 4

SEX: Female

DAY ON TEST: 679

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97387

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-23]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	Mild
[Hepatodiaphragmatic Nodule TGLS = 3-22]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	
[Cyst TGLS = 5-8]			
[Fibroadenoma TGLS = 1-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Minimal
	Pars Distalis	Cyst	Mild
[Adenoma TGLS = 6-1]			
[Angiectasis TGLS = 6-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 363

TRT#: 4

SEX: Female

DAY ON TEST: 679

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97387

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 6-1]

* Spleen

Hematopoietic Cell Proliferation

Minimal

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

- Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 364

TRT#: 4

SEX: Female

DAY ON TEST: 679

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97388

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia	Minimal Focal, Mild
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Bone	Cranium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 6-23]			
* Bone Marrow		Hyperplasia	Mild
* Brain		Compression	Minimal
[Compression TGLS = 8-1]			
* Kidney		Leukemia Mononuclear Nephropathy	Minimal
* Liver		Clear Cell Focus Hepatodiaphragmatic Nodule Leukemia Mononuclear	Mild
[Hepatodiaphragmatic Nodule TGLS = 10-24]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 4-3]			
* Mammary Gland		Cyst Fibroadenoma	Mild
Note: EXTENSIVE INFLAMMATION AND GRANULATION TISSUE DEPOSITION ACCOMPANY THE FIBROADENOMA			
[Cyst TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 364

TRT#: 4

SEX: Female

DAY ON TEST: 679

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97388

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 2-21]

* Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Angiectasis

Moderate

[Adenoma TGLS = 7-1]

[Angiectasis TGLS = 7-1]

* Skin

Keratoacanthoma

[Keratoacanthoma TGLS = 5-22]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-6]

* Thyroid Gland

C Cell

Hyperplasia

Mild

Note: ONE OF PAIR MISSING

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 366

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97390

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Brain		Compression	Moderate
[Compression TGLS = 9-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 8-5]			
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21,3-22,4-23,12-26,13-27]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-24]			
* Ovary		Cyst	Mild
[Cyst TGLS = 6-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 366

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97390

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 10-1]

[Angiectasis TGLS = 10-1]

[Cyst TGLS = 10-1]

* Spleen

Pigmentation

Minimal

* Thyroid Gland

C Cell

Hyperplasia

Minimal

Ultimobranchial Cyst

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 367

TRT#: 4

SEX: Female

DAY ON TEST: 682

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
[Eosinophilic Focus TGLS = 9-24]			
[Mixed Cell Focus TGLS = 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 7-3]			
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21,3-22]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-23]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 4-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 367

TRT#: 4

SEX: Female

DAY ON TEST: 682

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97391

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
[Adenoma TGLS = 8-1]			
[Angiectasis TGLS = 8-1]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	C Cell	Adenoma	
	Follicle	Cyst	Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland	Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 368

TRT#: 4

SEX: Female

DAY ON TEST: 596

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 5-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 8-3]			
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21,3-22,4-23]			
* Ovary		Cyst	Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
[Adenoma TGLS = 6-1]			
[Angiectasis TGLS = 6-1]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 369

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97393

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
	[Cyst TGLS = 1-8]		
	[Fibroadenoma TGLS = 2-21,3-22]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 369

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97393

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-6]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 371

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97395

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia	Minimal Focal, Moderate
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-8]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus Clear Cell Focus	
* Lung		Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic, Minimal
* Mammary Gland		Cyst Fibroadenoma	Mild Multiple
[Cyst TGLS = 2-8]			
[Fibroadenoma TGLS = 6-24,9-25,5-23,4-22,3-21]			
* Pituitary Gland	Pars Distalis Pars Distalis	Cyst Hyperplasia	Mild Focal, Mild
[Cyst TGLS = 8-1]			
[Hyperplasia TGLS = 8-1]			
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 371

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97395

ORGAN AND ACCOUNTABLE SITE STATUS

Follicle

Cyst

Mild

C Cell

Hyperplasia

Minimal

[Adenoma TGLS = 7-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 372

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97396

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
	[Basophilic Focus TGLS = 13-6]		
	[Eosinophilic Focus TGLS = 12-27]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
	[Cyst TGLS = 2-8]		
	[Fibroadenoma TGLS = 3-22,4-23,5-24,6-25,1-21]		
* Ovary		Cyst	Mild
	[Cyst TGLS = 10-7]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 372

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97396

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 9-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 373

TRT#: 4

SEX: Female

DAY ON TEST: 626

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97397

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Thrombosis	Marked
[Thrombosis TGLS = 13-12,14-12]			
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 8-24]		Vacuolization Cytoplasmic	Minimal
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 12-3]			
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	
[Cyst TGLS = 3-8]			
[Fibroadenoma TGLS = 5-23]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 10-25]			
* Ovary		Cyst	Mild
[Cyst TGLS = 15-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 373

TRT#: 4

SEX: Female

DAY ON TEST: 626

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97397

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Minimal
[Cyst TGLS = 17-1]			
* Skin		Edema	Minimal
		Trichoepithelioma	
[Edema TGLS = 1-21]			
[Trichoepithelioma TGLS = 2-22]			
* Spleen		Leukemia Mononuclear	
* Stomach, Glandular		Ulcer	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 18-7]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 374

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97398

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-8]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Diffuse, Mild
		Infarct	Mild
	Transit Epithe	Inflammation	Chronic Active, Mild
		Nephropathy	Minimal
[Infarct TGLS = 5-5]			
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Ovary		Cyst	Mild
[Cyst TGLS = 3-7]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 374

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97398

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 376

TRT#: 4

SEX: Female

DAY ON TEST: 493

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 97400

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Bone | * Bone Marrow | * Clitoral Gland |
| * Esophagus | * Eye | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

- | | |
|-------------------|--------------------------|
| * Adrenal Medulla | * Lymph Node, Mandibular |
|-------------------|--------------------------|

OBSERVATIONS

- | | | | |
|---------------------------------------------------------------------------|---------------|-----------------------|---------------------|
| * Brain | | Compression | Mild |
| [Compression TGLS = 2-1] | | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | Bile Duct | Hyperplasia | Minimal |
| Note: TGL3, ABNORMAL FISSURES AND LOBULATIONS ARE NOT ROUTINELY TABULATED | | | |
| * Lung | | Congestion | Minimal |
| | | Infiltration Cellular | Histiocyte, Minimal |
| * Mammary Gland | | Cyst | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Angiectasis | Mild |
| [Adenoma TGLS = 1-1] | | | |
| [Angiectasis TGLS = 1-1] | | | |

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 377

TRT#: 4

SEX: Female

DAY ON TEST: 395

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97401

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Bone | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|--------------------------|-------------|--------------------------------------|---------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| * Liver | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| | Hepatocyte | Vacuolization Cytoplasmic | Minimal |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| | | Leukemia Mononuclear | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 10-3] | |
| | | [Leukemia Mononuclear TGLS = 4-7] | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 3-5] | |
| Mesentery | | Leukemia Mononuclear | |
| | Fat | Necrosis | Moderate |
| | | [Leukemia Mononuclear TGLS = 5-21] | |
| | | [Necrosis TGLS = 8-22,9-23] | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 377

TRT#: 4

SEX: Female

DAY ON TEST: 395

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97401

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia Leukemia Mononuclear	Focal, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-21,7-21]			
* Stomach, Forestomach	Epithelium	Edema Hyperplasia Leukemia Mononuclear	Mild Moderate
* Uterus		Ulcer Polyp Stromal	Moderate
[Polyp Stromal TGLS = 2-7]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL5, TISSUE NOS, IS ENTERED AS MESENTERY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 378

TRT#: 4

SEX: Female

DAY ON TEST: 682

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97402

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
--------------------------	---------------------

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 11-24]		
	[Leukemia Mononuclear TGLS = 10-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	

Note: TGL14, AXILLARY LYMPH NODE IS ENTERED AS DEEP CERVICAL NODE

[Leukemia Mononuclear TGLS = 12-3]

[Leukemia Mononuclear TGLS = 8-23]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 378

TRT#: 4

SEX: Female

DAY ON TEST: 682

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97402

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 13-25,14-26]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-5]			
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21,3-22]			
* Ovary		Leukemia Mononuclear	
* Pancreas		Atrophy	Minimal
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	
[Cyst TGLS = 15-1]			
[Hyperplasia TGLS = 15-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Thyroid GI			
Note: ONE OF PAIR MISSING			
* Uterus		Hemorrhage	Mild
[Hemorrhage TGLS = 6-27]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 379

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97403

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Cyst	Minimal
		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
		[Cyst TGLS = 1-8]	
		[Fibroadenoma TGLS = 2-21,3-22,6-24]	
Mesentery	Fat	Necrosis	Mild
		[Necrosis TGLS = 4-23]	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 379

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97403

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 381

TRT#: 4

SEX: Female

DAY ON TEST: 618

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97405

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Brain		Compression	Moderate
[Compression TGLS = 7-1]			
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 6-24]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 3-22,4-23,2-21]			
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
[Adenoma TGLS = 8-1]			
[Angiectasis TGLS = 8-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 381

TRT#: 4

SEX: Female

DAY ON TEST: 618

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97405

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Pigmentation

Minimal

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 382

TRT#: 4

SEX: Female

DAY ON TEST: 568

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97406

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	Moderate
[Compression TGLS = 5-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lung		Cyst	Minimal
* Mammary Gland		Fibroadenoma	
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
[Adenoma TGLS = 4-1]			
[Angiectasis TGLS = 4-1]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 382

TRT#: 4

SEX: Female

DAY ON TEST: 568

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97406

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

Epithelium

Edema

Hyperplasia

Ulcer

Mild

Moderate

Marked

[Ulcer TGLS = 7-4]

* Stomach, Glandular

Edema

Ulcer

Minimal

Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 383

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97407

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
		[Adenoma TGLS = 1-1]	
		[Angiectasis TGLS = 1-1]	
* Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 384

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97408

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	Mild
[Compression TGLS = 5-1]			
* Clitoral Gland		Adenoma	
		Cyst	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Mild
		Fibroadenoma	
[Cyst TGLS = 2-8]			
[Fibroadenoma TGLS = 1-21]			
* Ovary		Cyst	Mild
[Cyst TGLS = 3-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 384

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97408

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-1]

[Angiectasis TGLS = 4-1]

* Thyroid Gland

C Cell

Adenoma

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 386

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97410

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Clitoral Gland		Carcinoma	
Note: CARCINOMA APPEARS TO BE OF SQUAMOUS DIFFERENTIATION.			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney	Transit Epithe	Hyperplasia	Diffuse, Minimal
	Transit Epithe	Inflammation	Chronic Active, Minimal
		Lipoma	
		Nephropathy	Minimal
		[Lipoma TGLS = 9-5]	
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Inflammation	Chronic, Minimal
		[Angiectasis TGLS = 5-23]	
		[Basophilic Focus TGLS = 10-6]	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
		[Hyperplasia TGLS = 6-3]	
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
		[Hyperplasia TGLS = 4-5]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 386

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97410

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland

Cyst

Minimal

Fibroadenoma

Multiple

[Cyst TGLS = 1-8]

[Fibroadenoma TGLS = 1-21,11-25,2-21,3-22]

* Pancreas

Atrophy

Minimal

* Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Cyst

Mild

[Adenoma TGLS = 8-1]

[Cyst TGLS = 8-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 387

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97411

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Cyst	Minimal
[Cyst TGLS = 1-8]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	Mild
		Inflammation	Chronic, Minimal
[Eosinophilic Focus TGLS = 9-24]			
[Hepatodiaphragmatic Nodule TGLS = 5-23]			
* Lung	Alveolar Epith	Hyperplasia	Marked
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
[Hyperplasia TGLS = 7-2,7-25]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 6-3]			
* Mammary Gland		Carcinoma	
		Cyst	Mild
		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 387

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97411

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 3-21]

[Cyst TGLS = 2-8]

[Fibroadenoma TGLS = 4-22]

* Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Angiectasis

Moderate

Pars Distalis

Cyst

Mild

[Adenoma TGLS = 8-1]

[Angiectasis TGLS = 8-1]

[Cyst TGLS = 8-1]

* Spleen

Pigmentation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 388

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97412

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

INSUFFICIENT TISSUE

* Adrenal Medulla

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	Minimal
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic, Minimal
	[Basophilic Focus TGLS = 5-23]		
	[Hepatodiaphragmatic Nodule TGLS = 6-24]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
	[Hyperplasia TGLS = 3-22]		
* Mammary Gland		Cyst	Minimal
	[Cyst TGLS = 2-8]	Fibroadenoma	
	[Fibroadenoma TGLS = 1-21]		
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 388

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97412

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis

Cyst

Mild

[Adenoma TGLS = 4-1]

[Angiectasis TGLS = 4-1]

[Cyst TGLS = 4-1]

* Skin

Subcut Tiss

Schwannoma Nos

Note: THE SMALL SCHWANNOMA IS ON SLIDE 8 ADJACENT TO THE CLITORAL GLAND

* Spleen

Hematopoietic Cell Proliferation

Minimal

* Thyroid Gland

C Cell

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 389

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97413

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Nose	* Ovary	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Harderian Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 6-3]			
* Mammary Gland		Cyst	Mild
		Fibroadenoma	
[Cyst TGLS = 2-8]			
[Fibroadenoma TGLS = 1-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	Minimal
[Adenoma TGLS = 7-1]			
[Angiectasis TGLS = 7-1]			
[Cyst TGLS = 7-1]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 389

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97413

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-6]

* Thyroid Gland

Follicular Cel

Adenoma

Note: ONE OF PAIR INSUFFICIENT

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 3-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 391

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97415

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Brain		Compression	Mild
[Compression TGLS = 4-1]			
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21,2-22]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Minimal
[Adenoma TGLS = 3-1]			
[Angiectasis TGLS = 3-1]			
[Cyst TGLS = 3-1]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Note: ONE OF PAIR MISSING.			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 391

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97415

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 392

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97416

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric	* Nose
* Ovary	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
--------------------------	---------------------

OBSERVATIONS

* Brain		Compression	Mild
[Compression TGLS = 7-1]			
* Clitoral Gland	Bilateral	Adenoma	
[Adenoma TGLS = 2-23]			
* Harderian Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Clear Cell Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Mild
		Fibroadenoma	
[Cyst TGLS = 3-8]			
[Fibroadenoma TGLS = 8-24]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-22]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 6-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 392

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97416

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 6-1]

* Skin

Cyst Epithelial Inclusion

Moderate

[Cyst Epithelial Inclusion TGLS = 1-21]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 393

TRT#: 4

SEX: Female

DAY ON TEST: 525

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97417

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Bone Marrow		Hyperplasia	Mild
* Intestine Small, Duodenum		Ectopic Tissue	Minimal
Note: ECTOPIC TISSUE IS PANCREAS			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
[Basophilic Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Minimal
	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hemorrhage TGLS = 3-3]			
[Hyperplasia TGLS = 3-3]			
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
[Cyst TGLS = 4-1]			
[Hyperplasia TGLS = 4-1]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 393

TRT#: 4

SEX: Female

DAY ON TEST: 525

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 97417

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Hydrometra

Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 394

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 97418

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
[Cyst TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Minimal
[Adenoma TGLS = 3-1]			
[Angiectasis TGLS = 3-1]			
[Cyst TGLS = 3-1]			
* Uterus		Adenoma	
		Polyp Stromal	
[Adenoma TGLS = 2-7]			
[Polyp Stromal TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 397

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97421

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hypertrophy	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLS = 6-23]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 5-2]			
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21,3-22,7-24]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 398

TRT#: 6

SEX: Female

DAY ON TEST: 652

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97422

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|--------------------------|---------------------------|
| * Bone | * Brain | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Islets, Pancreatic | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Thymus | * Thyroid Gland | * Trachea | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|---------------------------------------|-------------|---------------------------|---------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Clitoral Gland | | Inflammation | Chronic, Mild |
| [Inflammation TGLS = 1-8] | | | |
| * Heart | | Cardiomyopathy | Minimal |
| | | Leukemia Mononuclear | |
| * Intestine Small, Ileum | | Leukemia Mononuclear | |
| * Intestine Small, Jejunum | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| [Leukemia Mononuclear TGLS = 10-5] | | | |
| * Liver | | Leukemia Mononuclear | |
| | Hepatocyte | Vacuolization Cytoplasmic | Mild |
| [Leukemia Mononuclear TGLS = 11-6] | | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 13-3] | | | |
| [Leukemia Mononuclear TGLS = 9-25] | | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 12-24] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 398

TRT#: 6

DOSE: 500 MG/L

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 652

HISTO: 97422

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland

Cyst
Fibroadenoma
Leukemia Mononuclear

Minimal
Multiple

[Cyst TGLS = 3-8]

[Fibroadenoma TGLS = 5-22,6-23,4-21]

* Pituitary Gland

Pars Distalis
Pars Distalis

Angiectasis
Cyst
Leukemia Mononuclear

Mild
Moderate

[Cyst TGLS = 14-1]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 8-6]

* Stomach, Forestomach

Epithelium

Edema
Hyperplasia

Mild
Mild

[Hyperplasia TGLS = 15-4]

* Stomach, Glandular

Edema
Erosion

Mild
Moderate

* Urinary Bladder

Leukemia Mononuclear

* Uterus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 7-7]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 399

TRT#: 6

SEX: Female

DAY ON TEST: 668

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97423

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 6-5]			
* Mammary Gland		Cyst	Minimal
[Fibroadenoma TGLS = 1-21,3-23,5-25,4-24,2-22]		Fibroadenoma	Multiple
* Ovary		Cyst	Mild
[Cyst TGLS = 8-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Mild
[Adenoma TGLS = 9-1]			
[Angiectasis TGLS = 9-1]			
[Cyst TGLS = 9-1]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 400

TRT#: 6

SEX: Female

DAY ON TEST: 668

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97424

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-22]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
Note: THE ISLET ADENOMA IS ON SLIDE 5 WITH THE KIDNEY INSTEAD OF SLIDE 7 WITH THE PANCREAS			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Cyst TGLS = 9-8]			
[Fibroadenoma TGLS = 1-21,4-23,5-24,6-25]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 400

TRT#: 6

SEX: Female

DAY ON TEST: 668

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97424

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis

Cyst

Mild

[Adenoma TGLS = 10-1]

[Angiectasis TGLS = 10-1]

[Cyst TGLS = 10--1]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 8-6]

* Thyroid Gland

Bilateral, C Cell

Adenoma

[Adenoma TGLS = 7-3]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 401

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97425

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Transit Epithe	Inflammation	Chronic Active, Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	Mild
[Basophilic Focus TGLS = 4-21]			
[Hepatodiaphragmatic Nodule TGLS = 3-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
[Cyst TGLS = 1-8]			
* Pancreas	Acinus	Hyperplasia	Focal, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 402

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97426

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Inflammation	Chronic, Minimal
[Eosinophilic Focus TGLS = 7-25]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 5-8]			
[Fibroadenoma TGLS = 8-26,2-22,3-23,4-24,1-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 6-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 402

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97426

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 403

TRT#: 6

SEX: Female

DAY ON TEST: 478

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97427

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	Mild
		Inflammation	Chronic, Moderate
		[Hepatodiaphragmatic Nodule TGLS = 5-23]	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	
		[Fibroadenoma TGLS = 1-21]	
Mesentery	Fat	Necrosis	Mild
		[Necrosis TGLS = 3-22]	
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
		Ultimobranchial Cyst	Minimal
* Uterus		Polyp Stromal	
		[Polyp Stromal TGLS = 4-24]	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 403

TRT#: 6

SEX: Female

DAY ON TEST: 478

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97427

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL1 IS ENTERED AS MAMMARY GLAND INSTEAD OF SKIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 404

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97428

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Brain		Compression	Mild
[Compression TGLS = 10-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Moderate
[Hyperplasia TGLS = 8-27]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 7-3]			
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21,3-23,4-24,5-25,6-26,2-22]			
* Ovary		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Mild
[Adenoma TGLS = 11-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 404

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97428

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 11-1]

[Cyst TGLS = 11-1]

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 405

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97429

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-21]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 3-22,8-24]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
[Cyst TGLS = 7-1]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 6-23]			
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 405

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97429

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 5-7]

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2 IS ENTERED AS CLITORAL GLAND INSTEAD OF MAMMARY GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 407

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97431

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-27]			
* Eye		Cataract	Minimal
[Cataract TGLS = 8-44]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
Note: TGL15, ABNORMAL FISSURES AND LOBULATIONS ARE NOT ROUTINELY TABULATED			
[Basophilic Focus TGLS = 11-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 12-2]			
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 5-8]			
[Fibroadenoma TGLS = 2-21,3-22,6-24,4-23]			
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 407

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97431

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis

Cyst

Mild

[Adenoma TGLS = 13-1]

[Angiectasis TGLS = 13-1]

[Cyst TGLS = 13-1]

* Thyroid Gland

Bilateral, C Cell

Adenoma

* Uterus

Cyst

Minimal

Polyp Stromal

[Cyst TGLS = 9-25]

[Polyp Stromal TGLS = 10-26]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 408

TRT#: 6

DOSE: 500 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 97432

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-8]			
* Harderian Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
[Basophilic Focus TGLS = 6-6]			
[Clear Cell Focus TGLS = 6-6]			
[Eosinophilic Focus TGLS = 12-26]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 11-25]			
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 10-8]			
[Fibroadenoma TGLS = 2-21,3-22,4-23,5-24]			
* Ovary		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 408

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97432

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 7-7]

* Pancreas

Atrophy

Mild

* Pituitary Gland

Pars Distalis

Angiectasis

Mild

Pars Distalis

Cyst

Mild

[Angiectasis TGLS = 9-1]

[Cyst TGLS = 8-1]

* Spleen

Hematopoietic Cell Proliferation

Minimal

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 409

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97433

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression Granular Cell Tumor Benign	Mild
[Compression TGLS = 7-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus Inflammation Necrosis	Chronic, Minimal Focal, Minimal
[Basophilic Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst Fibroadenoma	Mild Multiple
[Fibroadenoma TGLS = 1-21,2-22,3-23]			
* Pituitary Gland	Pars Distalis Pars Distalis	Adenoma Angiectasis	Mild
[Adenoma TGLS = 6-1]			
[Angiectasis TGLS = 6-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 410

TRT#: 6

SEX: Female

DAY ON TEST: 627

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 97434

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 5-1]		
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Skin	Pinna	Neural Crest Tumor	
	[Neural Crest Tumor TGLS = 3-21]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-22]		
* Stomach, Glandular		Erosion	Moderate
	[Erosion TGLS = 7-23]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 410

TRT#: 6

SEX: Female

DAY ON TEST: 627

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 97434

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Follicle

Cyst

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 412

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97436

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland [Cyst TGLS = 5-25]		Cyst	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver Bile Duct [Leukemia Mononuclear TGLS = 8-6]		Basophilic Focus Hyperplasia Leukemia Mononuclear	Mild
* Lung [Inflammation TGLS = 9-26]		Infiltration Cellular Inflammation Leukemia Mononuclear	Histiocyte, Minimal Chronic, Minimal
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 7-5]		Leukemia Mononuclear	
* Mammary Gland [Cyst TGLS = 11-8] [Fibroadenoma TGLS = 1-21,2-22,4-24,3-23]		Cyst Fibroadenoma	Mild Multiple
* Pituitary Gland [Adenoma TGLS = 10-1]	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 412	TRT#: 6 DOSE: 500 MG/L	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO: 97436
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ORGAN AND ACCOUNTABLE SITE STATUS			
* Spleen [Leukemia Mononuclear TGLS = 6-6]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 413

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97437

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Carcinoma	Metastatic (Pituitary Gland)
		Compression	Mild
[Compression TGLS = 5-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21,3-22,6-23]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Carcinoma	
	Pars Distalis	Cyst	Mild
[Angiectasis TGLS = 4-1]			
[Carcinoma TGLS = 4-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 413

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97437

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 4-1]

* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hydrometra	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 414

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97438

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Cyst	Mild
		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
Note: THE CLEAR CELL FOCUS IS LARGE AND HAS SLIGHT COMPRESSION [Clear Cell Focus TGLS = 8-26]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 5-8] [Fibroadenoma TGLS = 1-21,2-22,3-23,4-24]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 7-25]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Minimal
	Pars Distalis	Cyst	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 414

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97438

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-1]

[Angiectasis TGLS = 6-1]

* Spleen

Hematopoietic Cell Proliferation

Minimal

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 417

TRT#: 6

SEX: Female

DAY ON TEST: 637

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 10-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21,2-22,3-23]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-24]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Minimal
[Adenoma TGLS = 8-1]			
[Angiectasis TGLS = 8-1]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild
		Ultimobranchial Cyst	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 417

TRT#: 6

SEX: Female

DAY ON TEST: 637

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97441

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 7-7]

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 418

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adren Medulla			
Note: ONE OF PAIR MISSING			
* Adrenal Cortex		Hyperplasia	Focal, Moderate
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
[Clear Cell Focus TGLS = 7-24]			
[Hepatodiaphragmatic Nodule TGLS = 4-23]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lym Node Mand			
Note: SLIGHT ECTASIA IS PRESENT IN THE MANDIBULAR NODE			
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 418

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97442

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 5-8]

[Fibroadenoma TGLS = 1-21,2-22]

* Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Angiectasis

Minimal

Pars Distalis

Cyst

Mild

[Adenoma TGLS = 6-1]

[Angiectasis TGLS = 6-1]

[Cyst TGLS = 6-1]

* Spleen

Hematopoietic Cell Proliferation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 419

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97443

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21,2-22,3-23,4-24,5-25]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Mild
[Adenoma TGLS = 7-1]			
[Angiectasis TGLS = 7-1]			
[Cyst TGLS = 7-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 420

TRT#: 6

DOSE: 500 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 97444

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Nose	* Ovary	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
[Clear Cell Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21,3-22,4-23,8-24]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 6-1]			
[Angiectasis TGLS = 7-1]			
* Spleen		Pigmentation	Minimal
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 420

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97444

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

C Cell

Hyperplasia
Polyp Stromal

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 421

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97445

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Harderian Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Hyperplasia	Marked
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21,3-22]			
Mesentery	Fat	Necrosis	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 4-1]			
[Angiectasis TGLS = 4-1]			
* Spleen		Pigmentation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 422

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97446

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 8-3]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 3-8]			
[Fibroadenoma TGLS = 1-21,2-22,5-24,6-25,7-26,4-23]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hydrometra	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 423

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97447

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Brain		Compression	Mild
[Compression TGLS = 6-1]			
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 7-24]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 5-8]			
[Fibroadenoma TGLS = 2-22,1-21,3-23]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 423

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97447

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis

Cyst

Mild

[Adenoma TGLS = 4-1]

[Angiectasis TGLS = 4-1]

[Cyst TGLS = 4-1]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 424

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97448

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule	Minimal
* Clitoral Gland	Cyst	Minimal
[Cyst TGLS = 1-8]		
* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Mild
* Liver	Angiectasis	Minimal
	Hepatodiaphragmatic Nodule	Mild
	Inflammation	Chronic, Mild
	Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 9-26]		
[Leukemia Mononuclear TGLS = 10-6]		
* Lung	Infiltration Cellular	Histiocyte, Minimal
	Leukemia Mononuclear	
* Mammary Gland	Cyst	Minimal
	Fibroadenoma	Multiple
[Cyst TGLS = 2-8]		
[Fibroadenoma TGLS = 5-23,6-24,7-25,4-22,3-21]		
* Nose	Foreign Body	Minimal
	Inflammation	Chronic, Minimal
* Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 424

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97448

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-6]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 425

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 97449

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 5-23]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Minimal
[Adenoma TGLS = 3-1]			
[Angiectasis TGLS = 3-1]			

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 427

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97451

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adren Medulla

Note: ONE OF PAIR MISSING

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 6-3]			
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21,3-22,4-23]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Mild
[Adenoma TGLS = 7-1]			
[Angiectasis TGLS = 7-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 427

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97451

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 7-1]

* Spleen

Hematopoietic Cell Proliferation

Minimal

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 428

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97452

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 6-25]			
* Harderian Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
Note: THE CLEAR CELL FOCUS IS LARGE AND EXERTING SLIGHT COMPRESSION			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 7-3]			
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
Note: NO CORRESPONDING LESION FOR TGL 1.			
[Cyst TGLS = 5-8]			
[Fibroadenoma TGLS = 2-22,4-24,10-26,3-23]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 428

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97452

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
	[Adenoma TGLS = 9-1]		
	[Angiectasis TGLS = 9-1]		
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Cervix	Cyst	Mild
	[Cyst TGLS = 8-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 429

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97453

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Cyst	Minimal
* Harderian Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21,4-23,8-24,3-22]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
[Adenoma TGLS = 7-1]			
[Cyst TGLS = 7-1]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 5-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 429

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97453

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 430

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97454

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland		Cyst	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
		Metaplasia	Osseous, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	
[Fibroadenoma TGLS = 2-22]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 6-23]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
[Cyst TGLS = 7-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 430

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97454

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin Keratoacanthoma

[Keratoacanthoma TGLS = 1-21]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 432

TRT#: 6

SEX: Female

DAY ON TEST: 709

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 97456

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Clitoral Gland | * Esophagus | * Eye |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | |
|-----------------------------------------|-------------------------|---------------------|
| * Adrenal Cortex | Leukemia Mononuclear | |
| * Adrenal Medulla | Leukemia Mononuclear | |
| | Pheochromocytoma Benign | |
| [Pheochromocytoma Benign TGLS = 5-10] | | |
| * Bone Marrow | Leukemia Mononuclear | |
| * Brain | Hemorrhage | Moderate |
| | Leukemia Mononuclear | |
| [Hemorrhage TGLS = 7-1] | | |
| * Harderian Gland | Leukemia Mononuclear | |
| * Heart | Cardiomyopathy | Minimal |
| | Leukemia Mononuclear | |
| * Kidney | Leukemia Mononuclear | |
| | Nephropathy | Mild |
| * Liver | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-6] | | |
| * Lung | Infiltration Cellular | Histiocyte, Minimal |
| | Leukemia Mononuclear | |
| * Mammary Gland | Cyst | Mild |
| | Fibroadenoma | Multiple |
| [Cyst TGLS = 1-8] | | |
| [Fibroadenoma TGLS = 2-21,3-22,4-23] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 432

TRT#: 6

SEX: Female

DAY ON TEST: 709

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 97456

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Mild
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Edema	Mild
		Erosion	Mild
	Epithelium	Hyperplasia	Mild
	[Hyperplasia TGLS = 8-4]		
* Stomach, Glandular		Edema	Mild
		Erosion	Mild
	[Erosion TGLS = 8-4]		

PRIMARY CAUSE OF DEATH

- Brain Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 433

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97457

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia	Minimal Focal, Mild
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Brain		Compression	Mild
[Compression TGLS = 11-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hepatodiaphragmatic Nodule Hyperplasia Inflammation	Mild Mild Chronic, Minimal
[Hepatodiaphragmatic Nodule TGLS = 6-26]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 7-27]			
* Mammary Gland		Cyst Fibroadenoma	Mild Multiple
[Cyst TGLS = 9-8]			
[Fibroadenoma TGLS = 1-21,3-23,4-24,5-25,2-22]			
* Ovary		Cyst	Mild
[Cyst TGLS = 8-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 433

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97457

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
	[Adenoma TGLS = 10-1]		
	[Angiectasis TGLS = 11-1]		
* Spleen		Hematopoietic Cell Proliferation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 434

TRT#: 6

SEX: Female

DAY ON TEST: 629

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 97458

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Trachea | * Urinary Bladder | * Uterus |

MISSING

- | | |
|--------------------------|---------------------|
| * Lymph Node, Mandibular | * Parathyroid Gland |
|--------------------------|---------------------|

OBSERVATIONS

- | | | | |
|-------------------------------------|-------------|----------------------|----------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Hemorrhage | Mild |
| | | Leukemia Mononuclear | |
| [Hemorrhage TGLS = 13-1] | | | |
| * Clitoral Gland | | Cyst | Moderate |
| [Cyst TGLS = 4-8] | | | |
| * Heart | | Cardiomyopathy | Minimal |
| | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Minimal |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-7] | | | |
| [Leukemia Mononuclear TGLS = 8-3] | | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 7-5] | | | |
| * Mammary Gland | | Fibroadenoma | Multiple |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 434

TRT#: 6

SEX: Female

DAY ON TEST: 629

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 97458

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-8,3-22,2-21,12-23]

* Ovary

Cyst
Leukemia Mononuclear

Mild

[Cyst TGLS = 11-7]

* Pancreas

Leukemia Mononuclear

* Pituitary Gland

Pars Distalis

Cyst
Leukemia Mononuclear

Mild

[Leukemia Mononuclear TGLS = 14-1]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 5-6]

* Thyroid Gland

Follicular Cel

Adenoma

[Adenoma TGLS = 10-3]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 437

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
	[Inflammation TGLS = 7-24]		
	[Mixed Cell Focus TGLS = 7-24]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
	[Cyst TGLS = 2-8]		
	[Fibroadenoma TGLS = 1-21,3-22,4-23]		
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	[Angiectasis TGLS = 6-1]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 5-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 438

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-22,5-25,6-26,7-27,1-21,3-23,4-24]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 10-1]			
[Angiectasis TGLS = 10-1]			
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 8-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 439

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97463

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Adenoma	
[Adenoma TGLS = 5-24]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 6-8]			
[Fibroadenoma TGLS = 1-21,2-22,3-23]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
[Adenoma TGLS = 4-1]			
[Angiectasis TGLS = 4-1]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 442

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97466

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Minimal
		[Alveolar/Bronchiolar Adenoma TGLS = 7-25]	
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
		[Cyst TGLS = 1-8]	
		[Fibroadenoma TGLS = 2-21,3-22,5-24,4-23]	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Pigmentation	Minimal
* Thyroid Gland	Follicle	Cyst	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 443

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97467

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose |
| * Ovary | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | * Uterus |

MISSING

- | | |
|--------------------------|---------------------|
| * Lymph Node, Mandibular | * Parathyroid Gland |
|--------------------------|---------------------|

OBSERVATIONS

- | | | | |
|-----------------------------------------|----------------|-------------------------|---------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| | | Pheochromocytoma Benign | |
| [Pheochromocytoma Benign TGLS = 9-10] | | | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Compression | Mild |
| [Compression TGLS = 15-1] | | | |
| * Clitoral Gland | | Adenoma | |
| * Heart | | Cardiomyopathy | Minimal |
| | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Minimal |
| * Liver | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| | | Infiltration Cellular | Histiocyte, Minimal |
| | | Leukemia Mononuclear | |
| Lymph Node | Mediastinal | Hyperplasia | Lymphoid, Minimal |
| | Pancreatic | Hyperplasia | Lymphoid, Minimal |
| [Hyperplasia TGLS = 11-3] | | | |
| [Hyperplasia TGLS = 7-7] | | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 443

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97467

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 10-5]

* Mammary Gland

Cyst
Fibroadenoma

Mild
Multiple

[Cyst TGLS = 1-8]

[Fibroadenoma TGLS = 2-21,3-22,4-23,5-24]

* Pancreas

Atrophy

Mild

* Pituitary Gland

Pars Distalis
Pars Distalis

Adenoma
Angiectasis

Mild

Leukemia Mononuclear

[Adenoma TGLS = 16-1]

[Angiectasis TGLS = 16-1]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 6-6]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 12-3]

* Thyroid Gland

C Cell
Follicular Cel

Adenoma
Adenoma

[Adenoma TGLS = 13-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 444

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97468

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Infarct	Mild
		Leukemia Mononuclear	
		Nephropathy	Mild
	[Infarct TGLS = 4-22]		
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-5]		
* Mammary Gland		Cyst	Mild
		Fibroadenoma	
	[Cyst TGLS = 10-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 444

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97468

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 3-21]

* Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Angiectasis

Mild

Pars Distalis

Cyst

Minimal

[Adenoma TGLS = 9-1]

[Angiectasis TGLS = 9-1]

[Cyst TGLS = 9-1]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-23,11-23]

* Stomach, Forestomach

Epithelium

Hyperplasia

Mild

[Hyperplasia TGLS = 12-4]

* Stomach, Glandular

Edema

Mild

Erosion

Mild

[Erosion TGLS = 12-4]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 445

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97469

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
[Clear Cell Focus TGLS = 8-27]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 4-23,5-24,6-25,7-26,2-21,3-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Mild
* Spleen		Pigmentation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 447

TRT#: 6

SEX: Female

DAY ON TEST: 717

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Mild
[Compression TGLS = 9-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 3-23,4-24,5-25,1-21,2-22]			
Mesentery		Accessory Spleen	Mild
[Accessory Spleen TGLS = 8-26]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 447

TRT#: 6

SEX: Female

DAY ON TEST: 717

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97471

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis

Angiectasis

Mild

[Adenoma TGLS = 10-1]

[Angiectasis TGLS = 10-1]

* Spleen

Fibrosis

Minimal

Leukemia Mononuclear

[Fibrosis TGLS = 11-27]

[Leukemia Mononuclear TGLS = 6-6]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 448

TRT#: 6

DOSE: 500 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 97472

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Bone Marrow		Hyperplasia	Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 4-29]			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Adenoma	
[Adenoma TGLS = 10-24]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
Note: TGL12, ABNORMAL FISSURES AND LOBULATIONS ARE NOT ROUTINELY TABULATED			
[Basophilic Focus TGLS = 11-25]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Minimal
[Alveolar/Bronchiolar Adenoma TGLS = 7-27]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 6-3]			
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 5-8]			
[Fibroadenoma TGLS = 2-22,3-23,1-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 448

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97472

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Minimal
	[Adenoma TGLS = 9-1]		
	[Angiectasis TGLS = 9-1]		
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 8-28]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 449

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97473

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Ovary	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Adenoma	
[Adenoma TGLS = 10-28]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic, Minimal
Note: TGL11, ABNORMAL FISSURES AND LOBULATIONS ARE NOT ROUTINELY TABULATED			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 8-3]			
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21,2-22,3-23,4-24,7-27]			
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 449

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97473

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 9-1]

[Angiectasis TGLS = 9-1]

[Cyst TGLS = 9-1]

* Skin

Subcut Tiss

Fibroma

Multiple

[Fibroma TGLS = 5-25,6-26]

* Uterus

Hydrometra

Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL5 IS ENTERED AS SKIN INSTEAD OF MAMMARY GLAND

Animal Note: TGL6 IS ENTERED AS SKIN INSTEAD OF MAMMARY GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 450

TRT#: 6

SEX: Female

DAY ON TEST: 631

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97474

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	Peripheral Nerve	* Salivary Glands	* Skin
Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Marked
		Hypertrophy	Focal, Minimal
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Bone Marrow		Hyperplasia	Minimal
* Brain		Compression	Mild
[Compression TGLS = 9-1]			
* Eye		Cataract	Marked
[Cataract TGLS = 7-44]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Diffuse, Mild
	Transit Epithe	Inflammation	Chronic Active, Mild
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-2]			
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 450

TRT#: 6

SEX: Female

DAY ON TEST: 631

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97474

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 2-8]

[Fibroadenoma TGLS = 4-22,3-21]

* Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Angiectasis

Moderate

[Adenoma TGLS = 8-1]

[Angiectasis TGLS = 8-1]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 5-6]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 452

TRT#: 6

SEX: Female

DAY ON TEST: 540

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97476

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adren Medulla

Note: ONE OF PAIR INSUFFICIENT

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
	[Clear Cell Focus TGLS = 4-6,4-23]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
	[Cyst TGLS = 2-8]		
	[Fibroadenoma TGLS = 1-21,3-22]		
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 452

TRT#: 6

SEX: Female

DAY ON TEST: 540

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 97476

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 453

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97477

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Mild
[Basophilic Focus TGLS = 4-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21,2-22]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-23]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Intermed	Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Moderate
[Cyst TGLS = 5-1]			
[Cyst TGLS = 5-1]			
[Hyperplasia TGLS = 5-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 453

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97477

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 454

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97478

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
[Clear Cell Focus TGLS = 4-23]			
[Mixed Cell Focus TGLS = 5-24]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 3-22,2-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Hydrometra	Minimal
		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 454

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97478

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 457

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97481

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Bone | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mesenteric | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-----------------------------------------------------------------------|----------------|--------------------------------------------------------------------------|------------------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule
Hyperplasia
Leukemia Mononuclear | Minimal
Focal, Moderate |
| Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION | | | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | Transit Epithe | Hyperplasia
Infarct | Diffuse, Mild
Mild |
| | Transit Epithe | Inflammation
Nephropathy | Chronic Active, Mild
Mild |
| [Infarct TGLS = 9-5] | | | |
| * Liver | Bile Duct | Hyperplasia
Leukemia Mononuclear | Moderate |
| | Hepatocyte | Vacuolization Cytoplasmic | Minimal |
| [Leukemia Mononuclear TGLS = 10-6] | | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 7-7] | | | |
| * Mammary Gland | | Cyst | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 457

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97481

ORGAN AND ACCOUNTABLE SITE STATUS

		Fibroadenoma	Multiple
[Cyst TGLS = 2-8]			
[Fibroadenoma TGLS = 3-21,4-22,5-23]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Mild
[Adenoma TGLS = 11-1]			
[Angiectasis TGLS = 11-1]			
[Cyst TGLS = 11-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-24]			
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 12-25]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 458

TRT#: 6

SEX: Female

DAY ON TEST: 30

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 97482

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Colon	* Intestine Large, Rectum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
--------------------------	-----------------------------	--------------------------	----------------------------

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Heart		Cardiomyopathy	Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 3-3]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 1-5]			

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: THE CAUSE OF THE CHYLOTHORAX THAT RESULTED IN THE DEATH OF THIS ANIMAL IS UNDETERMINED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 459

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97483

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
		Hypertrophy	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21,2-22,3-23,4-24]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 6-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 460

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 97484

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 11-1]			
* Clitoral Gland		Cyst	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
Note: TGL13, ABNORMAL FISSURES AND LOBULATIONS ARE NOT ROUTINELY TABULATED			
[Basophilic Focus TGLS = 10-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Moderate
		Fibroadenoma	Multiple
[Cyst TGLS = 7-8]			
[Fibroadenoma TGLS = 2-21,4-23,6-25,3-22]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 8-26]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 12-1]			
[Angiectasis TGLS = 12-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 460	TRT#: 6 DOSE: 500 MG/L	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO: 97484
ORGAN AND ACCOUNTABLE SITE STATUS			
* Skin [Fibroma TGLS = 5-24]	Subcut Tiss	Fibroma	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		
Animal Note: TGL5 IS ENTERED AS SKIN INSTEAD OF MAMMARY GLAND			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 463

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 97487

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Clitoral Gland	Bilateral	Adenoma	
[Adenoma TGLS = 1-28]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 10-29]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 2-8]			
[Fibroadenoma TGLS = 3-21,4-22,5-23,6-24,7-25,8-26]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Minimal
* Spleen		Fibrosis	Minimal
[Fibrosis TGLS = 9-27]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 463

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97487

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 464

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 97488

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Ovary	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
--------------------------	---------------------

OBSERVATIONS

* Adrenal Medulla Note: ONE OF PAIR INSUFFICIENT.		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	
[Basophilic Focus TGLS = 10-6]			
[Clear Cell Focus TGLS = 10-6]			
[Hepatocellular Adenoma TGLS = 11-27]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 4-23,6-25,2-21,5-24,3-22,7-26]			
* Nose		Inflammation	Chronic, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Minimal
	Pars Distalis	Cyst	Mild
[Cyst TGLS = 13-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 464

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97488

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Note: TGL12-3, HEMORRHAGE IN THE THYROID GLAND IS NOT TABULATED

* Uterus

Hydrometra

Mild

Polyp Stromal

[Hydrometra TGLS = 9-7]

[Polyp Stromal TGLS = 8-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 465

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97489

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Clitoral Gland		Cyst	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
[Basophilic Focus TGLS = 8-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Minimal
[Alveolar/Bronchiolar Adenoma TGLS = 7-24]			
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 5-8]			
[Fibroadenoma TGLS = 2-21,3-22,4-23]			
* Pancreas		Atrophy	Minimal
* Spleen		Hemangiosarcoma	
* Thyroid Gland	C Cell	Adenoma	
	Follicle	Cyst	Minimal
* Uterus		Cyst	Minimal
[Cyst TGLS = 6-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 466

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97490

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Bone | * Brain | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Nose | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Trachea | * Urinary Bladder | * Uterus | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|---------------------------------------------|------------|----------------------------|---------------------|
| * Adren Medulla | | | |
| Note: ONE OF PAIR INSUFFICIENT | | | |
| * Adrenal Cortex | | Hyperplasia | Focal, Moderate |
| | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Clitoral Gland | | Cyst | Minimal |
| [Cyst TGLS = 1-8] | | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Hepatodiaphragmatic Nodule | Minimal |
| | | Leukemia Mononuclear | |
| [Hepatodiaphragmatic Nodule TGLS = 15-28] | | | |
| [Leukemia Mononuclear TGLS = 13-6] | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 11-7] | | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 12-5] | | | |
| * Mammary Gland | | Cyst | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 466

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97490

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 2-8] [Fibroadenoma TGLS = 7-25,8-26,9-27,6-24,5-23,4-22,3-21]	Fibroadenoma	Multiple
* Ovary [Cyst TGLS = 16-7]	Cyst	Mild
* Pancreas Note: THE SMALL FOCAL AREA OF ATROPHY IS ON SLIDE 4 ADJACENT TO THE DUODENUM	Atrophy	Minimal
* Pituitary Gland Pars Distalis	Hyperplasia	Focal, Mild
* Spleen [Leukemia Mononuclear TGLS = 10-29]	Leukemia Mononuclear	
* Thyroid Gland C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 467

TRT#: 8

SEX: Female

DAY ON TEST: 637

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97491

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	Minimal
Note: EOSINOPHILIC FOCUS IS ON SLIDE 23 [Hepatodiaphragmatic Nodule TGLS = 7-23]			
* Lung		Carcinoma	Metastatic (Mammary Gland)
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Carcinoma	
		Cyst	Mild
		Fibroadenoma	
[Carcinoma TGLS = 4-22]			
[Cyst TGLS = 2-8]			
[Fibroadenoma TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
[Adenoma TGLS = 8-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 467

TRT#: 8

SEX: Female

DAY ON TEST: 637

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97491

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 8-1]

* Spleen

Hematopoietic Cell Proliferation

Marked

[Hematopoietic Cell Proliferation TGLS = 5-6]

PRIMARY CAUSE OF DEATH

- Mammary Gland Carcinoma

Animal Note: TGL4, SKIN MASS, IS ENTERED AS MAMMARY GLAND INSTEAD OF SKIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 468

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97492

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Clitoral Gland	* Lymph Node, Mandibular
------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
Note: EXTENSIVE CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
		[Inflammation TGLS = 7-25]	
		[Mixed Cell Focus TGLS = 7-25]	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Moderate
		Fibroadenoma	Multiple
		[Cyst TGLS = 5-8]	
		[Fibroadenoma TGLS = 8-26,3-23,4-24,2-22]	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 468

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97492

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-1]

[Angiectasis TGLS = 6-1]

[Cyst TGLS = 6-1]

* Skin

Subcut Tiss

Fibroma

[Fibroma TGLS = 1-21]

* Thyroid Gland

C Cell

Adenoma

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1 IS QUITE AUTOLYTIC

Animal Note: TGL1 IS ENTERED AS SKIN INSTEAD OF MAMMARY GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 469

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97493

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	Peripheral Nerve
* Salivary Glands	* Skin	Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye		Cataract	Minimal
[Cataract TGLS = 6-44]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Diffuse, Mild
		Infarct	Mild
	Transit Epithe	Inflammation	Chronic Active, Mild
		Nephropathy	Mild
[Infarct TGLS = 3-5]			
* Liver		Eosinophilic Focus	
		Inflammation	Chronic, Minimal
[Eosinophilic Focus TGLS = 4-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 469

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97493

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis

Cyst

Mild

[Adenoma TGLS = 5-1]

[Angiectasis TGLS = 5-1]

[Cyst TGLS = 5-1]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Uterus

Hydrometra

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 470

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 97494

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 5-25]			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Adenoma	
[Adenoma TGLS = 11-26]			
* Kidney	Transit Epithe	Hyperplasia	Diffuse, Minimal
		Infarct	Minimal
	Transit Epithe	Inflammation	Chronic Active, Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 470

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97494

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
	[Cyst TGLS = 12-8]		
	[Fibroadenoma TGLS = 2-22,3-23,1-21,4-24]		
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	[Adenoma TGLS = 10-1]		
	[Angiectasis TGLS = 10-1]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 8-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 471

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 668

HISTO: 97495

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia Hypertrophy Leukemia Mononuclear	Focal, Mild Focal, Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung	Alveolar Epith	Hyperplasia Leukemia Mononuclear	Moderate
	[Hyperplasia TGLS = 6-2]		
* Mammary Gland		Cyst Fibroadenoma	Mild
	[Cyst TGLS = 2-8]		
	[Fibroadenoma TGLS = 3-21]		
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 471

TRT#: 8

SEX: Female

DAY ON TEST: 668

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97495

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Cyst	Moderate
[Adenoma TGLS = 7-1]			
[Angiectasis TGLS = 7-1]			
[Cyst TGLS = 7-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Stomach, Forestomach		Edema	Minimal
	Epithelium	Hyperplasia	Minimal
* Stomach, Glandular		Edema	Minimal
		Ulcer	Moderate
[Ulcer TGLS = 9-4]			

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 473

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97497

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Marked
	[Hyperplasia TGLS = 8-2,9-24,7-23]		
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
	[Hyperplasia TGLS = 6-3]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
	[Hyperplasia TGLS = 5-5]		
* Mammary Gland		Cyst	Minimal
	[Cyst TGLS = 1-8]	Fibroadenoma	
	[Fibroadenoma TGLS = 2-21]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Minimal
	Pars Distalis	Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 473	TRT#: 8	SEX: Female	DAY ON TEST: 729
	DOSE: 1000 MG/L	DISP: Terminal Sacrifice	HISTO: 97497

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Cervix	Cyst Hydrometra	Mild Minimal
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Note: SUPPURATIVE INFLAMMATION IS PRESENT IN THE CYST
[Cyst TGLS = 3-22]
[Hydrometra TGLS = 4-7]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 474

TRT#: 8

SEX: Female

DAY ON TEST: 668

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97498

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Mild
[Compression TGLS = 11-1]			
* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Minimal
* Liver		Eosinophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Edema	Mild
* Lymph Node, Mesenteric			
[Edema TGLS = 8-5]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21,4-24,6-26,5-25,2-22,3-23]			
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 10-1]			
[Angiectasis TGLS = 10-1]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 475

TRT#: 8

SEX: Female

DAY ON TEST: 692

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97499

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Adenoma	
[Adenoma TGLS = 16-25]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus Leiomyosarcoma	Metastatic (Uncertain Primary Site)
[Leiomyosarcoma TGLS = 9-6,10-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Minimal
Note: ECTASIA ACCOMPANIES THE HYPERPLASIA IN THE MESENTERIC AND PANCREATIC NODES			
[Hyperplasia TGLS = 12-7]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 14-5]			
* Mammary Gland		Cyst Fibroadenoma	Mild Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21,4-23,3-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 475	TRT#: 8	SEX: Female	DAY ON TEST: 692
	DOSE: 1000 MG/L	DISP: Moribund Sacrifice	HISTO: 97499

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Leiomyosarcoma TGLS = 13-26]		Leiomyosarcoma	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Moderate
	[Cyst TGLS = 18-1]		
	[Hyperplasia TGLS = 17-1]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Stomach, Glandular		Edema	Mild
		Leiomyosarcoma	
	[Leiomyosarcoma TGLS = 15-27]		
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Cervix	Hypertrophy	Moderate
Note: QA BELIEVES THAT THIS IS "HYPERTROPHY OF THE PORTIO VAGINALIS UTERI"			
	[Hypertrophy TGLS = 7-24]		

PRIMARY CAUSE OF DEATH - Mesentery Leiomyosarcoma

Animal Note: TGL13, TISSUE NOS, IS ENTERED AS MESENTERY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 476

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 97500

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Clitoral Gland		Adenoma Inflammation	Chronic Active, Moderate
[Adenoma TGLS = 5-8]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus Eosinophilic Focus	
	Bile Duct	Hyperplasia Inflammation Mixed Cell Focus	Mild Chronic, Minimal
[Mixed Cell Focus TGLS = 8-25]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst Fibroadenoma	Mild Multiple
[Cyst TGLS = 4-8]			
[Fibroadenoma TGLS = 1-21,3-23,6-24,2-22]			
* Pituitary Gland	Pars Distalis Pars Distalis	Adenoma Angiectasis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 476

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97500

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 7-1]

[Angiectasis TGLS = 7-1]

* Thyroid Gland

C Cell

Adenoma

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 478

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 97502

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Brain		Compression	Mild
[Compression TGLS = 5-1]			
* Clitoral Gland		Cyst	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Adenoma	
[Adenoma TGLS = 6-24]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
Note: SLIGHT ECTASIA ACCOMPANIES THE HYPERPLASIA IN THE MANDIBULAR NODE			
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 7-25,1-21,2-22,3-23]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	Mild
[Angiectasis TGLS = 4-1]			
[Cyst TGLS = 4-1]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 478

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97502

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 479

TRT#: 8

SEX: Female

DAY ON TEST: 636

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97503

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
* Bone	Femur	Osteopetrosis	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Infarct	Minimal
		Leukemia Mononuclear	
		Nephropathy	Minimal
[Infarct TGLS = 5-5]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 6-6]			
[Leukemia Mononuclear TGLS = 6-6]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Hyperplasia TGLS = 10-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-5]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 479

TRT#: 8

SEX: Female

DAY ON TEST: 636

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97503

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 3-22,2-21]			
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Moderate
[Angiectasis TGLS = 9-1]			
[Hyperplasia TGLS = 9-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 12-4]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 11-7]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 480

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97504

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-----------------------------------------------------------------------|---------------|-----------------------|---------------------|
| * Adrenal Cortex | | Hyperplasia | Focal, Minimal |
| Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION | | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | | Inflammation | Chronic, Minimal |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| | | Inflammation | Chronic, Minimal |
| * Lym Node Mesen | | | |
| Note: NO CORRESPONDING LESION FOR TGL 10. | | | |
| * Mammary Gland | | Cyst | Mild |
| | | Fibroadenoma | Multiple |
| | | | |
| | | | |
| | | | |
| * Ovary | | Cyst | Marked |
| | | | |
| | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 480

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97504

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis

Angiectasis

Minimal

Pars Distalis

Cyst

Mild

[Adenoma TGLS = 9-1]

[Cyst TGLS = 9-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 483

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 97507

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia	Minimal Focal, Mild
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Brain		Compression	Mild
[Compression TGLS = 11-1]			
* Clitoral Gland		Cyst	Minimal
[Cyst TGLS = 12-8]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus Clear Cell Focus Hepatodiaphragmatic Nodule	Mild
[Basophilic Focus TGLS = 8-6]			
[Clear Cell Focus TGLS = 8-6]			
[Hepatodiaphragmatic Nodule TGLS = 14-26]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 9-3]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 13-5]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 483

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97507

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland

Cyst

Minimal

Fibroadenoma

Multiple

[Cyst TGLS = 6-8]

[Fibroadenoma TGLS = 1-21,2-22,3-23,5-25,4-24]

* Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Angiectasis

Moderate

[Adenoma TGLS = 10-1]

[Angiectasis TGLS = 10-1]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL14 IS ENTERED AS LIVER INSTEAD OF SKELETAL MUSCLE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 484

TRT#: 8

SEX: Female

DAY ON TEST: 682

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97508

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 9-6]			
* Lung		Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 6-3]			
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	
[Fibroadenoma TGLS = 2-22]			
* Ovary		Cyst	Minimal
[Cyst TGLS = 7-7]			
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
[Angiectasis TGLS = 8-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 484

TRT#: 8

SEX: Female

DAY ON TEST: 682

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97508

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 8-1]

* Skin

Subcut Tiss

Fibroma

[Fibroma TGLS = 1-21,3-23]

* Spleen

Hematopoietic Cell Proliferation

Minimal

* Thyroid G1

Note: ONE OF PAIR MISSING

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 485

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Natural Death

DAY ON TEST: 715

HISTO: 97509

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Clitoral Gland	* Lymph Node, Mandibular	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 11-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Diffuse, Mild
	Transit Epithe	Infarct	Mild
		Inflammation	Chronic Active, Mild
		Nephropathy	Minimal
[Infarct TGLS = 6-5]			
* Liver		Leukemia Mononuclear	
		Mixed Cell Focus	
Note: TGL14, ABNORMAL FISSURES AND LOBULATIONS ARE NOT ROUTINELY TABULATED			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Cyst TGLS = 10-8]			
[Fibroadenoma TGLS = 2-22,3-23,1-21]			
* Ovary		Cyst	Mild
[Cyst TGLS = 9-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 485

TRT#: 8

SEX: Female

DAY ON TEST: 715

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 97509

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 12-1]

[Angiectasis TGLS = 12-1]

* Skin

Subcut Tiss

Fibrosarcoma

[Fibrosarcoma TGLS = 4-26]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 5-6]

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 15-7]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

Animal Note: TGL4 IS ENTERED AS SKIN INSTEAD OF CLITORAL GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 486

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 97510

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 11-10]			
* Brain		Compression	Mild
[Compression TGLS = 15-1]			
* Clitoral Gland	Bilateral	Adenoma	
[Adenoma TGLS = 1-8-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
		Necrosis	Focal, Minimal
[Basophilic Focus TGLS = 13-6]			
[Clear Cell Focus TGLS = 12-6]			
[Necrosis TGLS = 12-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 14-3]			
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 486

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97510

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 3-8]

[Fibroadenoma TGLS = 6-24,7-25,8-26,5-23,4-22,2-21]

Mesentery

Hemorrhage

Mild

[Hemorrhage TGLS = 9-7]

* Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Angiectasis

Mild

[Adenoma TGLS = 16-1]

[Angiectasis TGLS = 17-1]

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL9 IS ENTERED AS MESENTERY INSTEAD OF OVARY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 487

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97511

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Adenoma	Multiple
[Adenoma TGLS = 15-31]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
[Basophilic Focus TGLS = 12-6-1]			
[Eosinophilic Focus TGLS = 12-6-1]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
[Hyperplasia TGLS = 14-2]			
[Infiltration Cellular TGLS = 13-2]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 17-3]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

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First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 487

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97511

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 16-5]

* Mammary Gland

Cyst
Fibroadenoma

Minimal
Multiple

[Fibroadenoma TGLS = 3-23,9-29,10-30,8-28,5-25,4-24,2-22,1-21,6-26,7-27]

* Ovary

Cyst

Minimal

* Pituitary Gland

Pars Distalis

Cyst

Moderate

Pars Distalis

Hyperplasia

Focal, Mild

[Cyst TGLS = 18-1]

[Hyperplasia TGLS = 18-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 488

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97512

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Brain		Compression	Mild
[Compression TGLS = 6-1]			
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 10-8]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	Moderate
[Hepatodiaphragmatic Nodule TGLS = 3-23,4-24]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 8-5]			
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21,12-26]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 488

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97512

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Necrosis TGLS = 2-22]	Fat	Necrosis	Moderate
* Pancreas		Atrophy	Mild
* Pituitary Gland [Adenoma TGLS = 7-1] [Angiectasis TGLS = 7-1]	Pars Distalis Pars Distalis	Adenoma Angiectasis	Mild
* Stomach, Forestomach [Hyperplasia TGLS = 11-4]	Epithelium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 489

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 97513

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
Note: ENTRAPPED ASCINAR CELLS ARE PRESENT SUGGESTIVE OF A MIXED TUMOR			
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic, Minimal
	[Clear Cell Focus TGLS = 9-6]		
	[Hepatocellular Adenoma TGLS = 7-6]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
	[Hyperplasia TGLS = 10-26]		
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
	[Cyst TGLS = 1-8]		
	[Fibroadenoma TGLS = 4-23,11-27,6-25,5-24,3-22,2-21]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Focal, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 489

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97513

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 490

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97514

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Nose	* Ovary	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
--------------------------	---------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Intestine Large, Colon		Hyperplasia	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 6-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
[Hyperplasia TGLS = 8-2]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 3-23,4-24,5-25,1-21,2-22]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 493

TRT#: 8

SEX: Female

DAY ON TEST: 717

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97517

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Bone Marrow | * Brain | * Clitoral Gland |
| * Esophagus | * Eye | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lymph Node, Mesenteric | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|----------------------------------------|-----------------------------------|---------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | Minimal |
| | | Hypertrophy | Focal, Minimal |
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Liver | | Basophilic Focus | |
| | [Basophilic Focus TGLS = 5-24,6-25] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| * Mammary Gland | | Cyst | Mild |
| | | Fibroadenoma | Multiple |
| | [Cyst TGLS = 1-8] | | |
| | [Fibroadenoma TGLS = 2-21,3-22,4-23] | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Thyroid Gland | Bilateral, C Cell | Adenoma | |
| * Uterus | | Hydrometra | Minimal |

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 494

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 97518

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 6-7]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
[Eosinophilic Focus TGLS = 7-25]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Cyst TGLS = 3-8]			
[Fibroadenoma TGLS = 1-21,2-22,4-23,5-24]			
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 494

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97518

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL6 IS ENTERED AS ISLETS INSTEAD OF PANCREATIC NODE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 495

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97519

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Brain		Compression	Mild
[Compression TGLS = 15-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Diffuse, Moderate
		Infarct	Mild
	Transit Epithe	Inflammation	Chronic Active, Moderate
		Nephropathy	Minimal
[Infarct TGLS = 13-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	Minimal
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Clear Cell Focus TGLS = 7-25]			
[Hepatodiaphragmatic Nodule TGLS = 6-24]			
[Mixed Cell Focus TGLS = 7-25]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 495	TRT#: 8	SEX: Female	DAY ON TEST: 736
	DOSE: 1000 MG/L	DISP: Terminal Sacrifice	HISTO: 97519

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 9-5]			
* Mammary Gland		Cyst Fibroadenoma	Minimal Multiple
[Cyst TGLS = 2-8]			
[Fibroadenoma TGLS = 3-21,4-22,5-23]			
* Ovary		Cyst	Minimal
[Cyst TGLS = 12-7]			
* Pituitary Gland	Pars Distalis Pars Distalis	Adenoma Angiectasis	Mild
[Adenoma TGLS = 14-1]			
[Angiectasis TGLS = 14-1]			
* Thymus		Thymoma Benign	
[Thymoma Benign TGLS = 10-26]			
* Thyroid Gland	C Cell Follicle	Adenoma Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 498

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97522

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
* Mammary Gland		Cyst	Mild
	[Fibroadenoma TGLS = 3-22,4-23,9-26,2-21]	Fibroadenoma	Multiple
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Fibrosis	Mild
	[Fibrosis TGLS = 6-24]	Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 498

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97522

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 8-7]

Vagina

Inflammation

Acute, Marked

Note: THE LESION IS ACTUALLY CYSTIC DILATATION OF THE VAGINAL FORNIX ACCOMPANYING SUPPURATIVE VAGINITIS.

[Inflammation TGLS = 5-25]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 499

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 97523

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 8-28]			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
[Hyperplasia TGLS = 11-29]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 10-3]			
* Mammary Gland		Cyst	Mild
[Cyst TGLS = 9-8]			
[Fibroadenoma TGLS = 1-21,2-22,3-23,6-26,5-25,4-24,7-27]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 499

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97523

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Follicle

Cyst

Minimal

C Cell

Hyperplasia

Mild

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 12-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 500

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 97524

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Clitoral Gland	* Lymph Node, Mandibular
------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Adrenal Medulla		Hemorrhage	Moderate
		Necrosis	Moderate
	Bilateral	Pheochromocytoma Benign	
[Hemorrhage TGLS = 8-10]			
[Necrosis TGLS = 8-10]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
Note: TGL9, ABNORMAL FISSURES AND LOBULATIONS ARE NOT ROUTINELY TABULATED			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21,4-23,5-24,3-22,6-25]			
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 500

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97524

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis

Angiectasis

Mild

Pars Distalis

Cyst

Mild

[Adenoma TGLS = 10-1]

[Angiectasis TGLS = 10-1]

[Cyst TGLS = 10-1]

* Spleen

Leukemia Mononuclear

* Thyroid Gland

Follicle

Cyst

Minimal

C Cell

Hyperplasia

Minimal

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 7-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 501

TRT#: 8

SEX: Female

DAY ON TEST: 668

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97525

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Clitoral Gland		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 6-26,8-27]			
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21,2-22,3-23,5-25,4-24]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Lung Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 503

TRT#: 8

SEX: Female

DAY ON TEST: 258

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97527

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	Peripheral Nerve	* Salivary Glands
* Skin	Spinal Cord	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Leiomyosarcoma	
[Leiomyosarcoma TGLS = 5-21]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
Note: ECTASIA ACCOMPANIES THE HYPERPLASIA IN THE MESENTERIC NODE			
[Hyperplasia TGLS = 3-5]			
* Ovary		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Perforation	Marked
		Ulcer	Marked
[Perforation TGLS = 4-4]			
[Ulcer TGLS = 4-4]			

PRIMARY CAUSE OF DEATH

- Stomach, Forestomach Perforation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 504

TRT#: 8

SEX: Female

DAY ON TEST: 660

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97528

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-21]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Necrosis	Focal, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
[Necrosis TGLS = 5-6]			
[Vacuolization Cytoplasmic TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 4-5]			
* Mammary Gland		Cyst	Minimal
* Pancreas		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-6]			

PRIMARY CAUSE OF DEATH

- Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 505

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 97529

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia Hypertrophy Leukemia Mononuclear	Focal, Minimal Focal, Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone [Osteopetrosis TGLS = 7-22]	Femur	Osteopetrosis	Marked
* Heart		Cardiomyopathy Leukemia Mononuclear	Mild
* Intestine Large, Colon [Adenoma TGLS = 8-23]		Adenoma	
* Intestine Large, Rectum		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Moderate
* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular Leukemia Mononuclear	Mild Histiocyte, Minimal
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 4-5]		Leukemia Mononuclear	
* Mammary Gland		Cyst Fibroadenoma	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 505

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97529

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 1-8] [Fibroadenoma TGLS = 2-21] * Pituitary Gland	Pars Distalis Pars Distalis	Cyst Hyperplasia	Mild Focal, Mild
[Cyst TGLS = 6-1] [Hyperplasia TGLS = 6-1] * Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6] * Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus [Leukemia Mononuclear TGLS = 5-3] * Thyroid Gland	Follicular Cel	Leukemia Mononuclear Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: IT APPEARS THAT 2 ADENOMATOUS POLYPS ARE PRESENT IN THE LARGE INTESTINE OF THIS ANIMAL

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 508

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 604

HISTO: 97532

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Mild
* Bone	Mandible	Squamous Cell Carcinoma	Metastatic (Oral Mucosa)
	[Squamous Cell Carcinoma TGLS = 8-23]		
* Intestine Large, Rectum		Inflammation	Mild
* Kidney	Transit Epithe	Hyperplasia	Diffuse, Moderate
		Infarct	Mild
	Cortex	Inflammation	Chronic, Mild
	Transit Epithe	Inflammation	Chronic Active, Moderate
		Nephropathy	Mild
	[Infarct TGLS = 4-5]		
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Vacuolization Cytoplasmic TGLS = 5-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Minimal
	[Hemorrhage TGLS = 7-3]		
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 1-21]		
* Nose		Inflammation	Chronic, Mild
Oral Mucosa		Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 508

TRT#: 8

SEX: Female

DAY ON TEST: 604

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97532

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Carcinoma TGLS = 8-23]

* Ovary [Cyst TGLS = 2-7] Cyst Minimal

* Pituitary Gland Pars Distalis Adenoma
Pars Distalis Cyst Minimal

* Spleen Pigmentation Mild

* Stomach, Forestomach Epithelium Hyperplasia Minimal

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

Animal Note: TGL8, TISSUE NOS, IS ENTERED AS ORAL MUCOSA AND BONE AS THE CARCINOMA IS INVADIN G THE MANDIBLE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 509

TRT#: 8

SEX: Female

DAY ON TEST: 381

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 97533

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|--------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Islets, Pancreatic | * Kidney | * Liver |
| * Lymph Node, Mesenteric | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

- * Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

- * Intestine Small, Ileum
- * Intestine Small, Jejunum

OBSERVATIONS

- | | | | |
|----------------------------------------------------------------------|---------------|----------------------------------|---------------------|
| * Heart | | Cardiomyopathy | Marked |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| Lymph Node | Mediastinal | Hyperplasia | Lymphoid, Mild |
| Note: CONGESTION ACCOMPANIES THE HYPERPLASIA IN THE MEDIASTINAL NODE | | | |
| [Hyperplasia TGLS = 2-3] | | | |
| * Mammary Gland | | Carcinoma | |
| [Carcinoma TGLS = 1-21] | | | |
| * Pituitary Gland | Pars Distalis | Cyst | Minimal |
| * Spleen | | Hematopoietic Cell Proliferation | Minimal |

PRIMARY CAUSE OF DEATH - Mammary Gland Carcinoma

Animal Note: TGL1 IS ENTERED AS MAMMARY GLAND INSTEAD OF SKIN

Animal Note: SOME AUTOLYSIS IS PRESENT IN ALL TISSUES

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 510

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 97534

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	Peripheral Nerve
* Salivary Glands	* Skin	Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
--------------------------	---------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
* Bone	Femur	Osteopetrosis	Minimal
[Osteopetrosis TGLS = 9-9]			
* Clitoral Gland		Cyst	Minimal
[Cyst TGLS = 1-8]			
* Eye		Cataract	Mild
[Cataract TGLS = 7-44]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Cyst TGLS = 5-8]			
[Fibroadenoma TGLS = 3-22,2-21]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-23]			
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 510

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97534

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Angiectasis

Minimal

Pars Distalis

Hyperplasia

Focal, Minimal

[Angiectasis TGLS = 8-1]

* Thyroid Gland

C Cell

Hyperplasia

Marked

Ultimobranchial Cyst

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 511

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 97535

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
Skeletal Muscle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Adrenal Medulla		Pheochromocytoma Complex	
[Pheochromocytoma Complex TGLS = 3-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Mild
		Mixed Cell Focus	
[Eosinophilic Focus TGLS = 5-23]			
[Hepatodiaphragmatic Nodule TGLS = 6-24]			
[Mixed Cell Focus TGLS = 4-6]			
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 10-2]			
Lymph Node	Mediastinal	Hemorrhage	Minimal
[Hemorrhage TGLS = 9-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 511

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97535

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland

[Cyst TGLS = 7-8]

[Fibroadenoma TGLS = 1-21,14-28,16-30,13-27,15-29,2-22]

* Pituitary Gland

Pars Distalis

Pars Distalis

* Thyroid Gland

C Cell

* Uterus

[Hemorrhage TGLS = 11-7]

Cyst

Fibroadenoma

Cyst

Hyperplasia

Hyperplasia

Hemorrhage

Minimal

Multiple

Mild

Focal, Mild

Minimal

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 512

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97536

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia Leukemia Mononuclear	Mild Focal, Mild
* Adrenal Medulla		Hyperplasia Leukemia Mononuclear	Minimal
Note: ONE OF PAIR MISSING			
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy Leukemia Mononuclear	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Moderate
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Carcinoma Hemorrhage	Metastatic (Skin) Moderate
	Alveolar Epith	Hyperplasia Infiltration Cellular Leukemia Mononuclear	Mild Histiocyte, Mild
[Carcinoma TGLS = 8-26,9-27]			
* Mammary Gland		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 512

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97536

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-21,2-22,3-23]		Fibroadenoma	Multiple
Mesentery	Fat	Necrosis	Minimal
Note: THE MESENTERIC FAT NECROSIS IS LOCATED ON SLIDE 7			
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
* Skin	Sebaceous Gl	Carcinoma	
[Carcinoma TGLS = 7-24]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-25]			
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 513

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 687

HISTO: 97537

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia	Minimal Focal, Moderate
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-21]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus Eosinophilic Focus	
[Eosinophilic Focus TGLS = 6-23]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst Fibroadenoma	Mild
[Cyst TGLS = 4-8]			
[Fibroadenoma TGLS = 3-22]			
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 513

TRT#: 8

SEX: Female

DAY ON TEST: 687

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97537

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

Animal Note: TGL2 IS ENTERED AS SKIN INSTEAD OF MAMMARY GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 514

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97538

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
--------------------------	---------------------

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-23]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 5-3]			
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 3-21,4-22]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 515

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97539

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	Peripheral Nerve	* Salivary Glands	Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Eye		Cataract	Marked
[Cataract TGLS = 1-44]			
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 3-22,5-23,10-25,6-24]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 515

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97539

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Moderate
[Angiectasis TGLS = 9-1]			
[Hyperplasia TGLS = 9-1]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-21]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 516

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 97540

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Brain		Compression	Mild
[Compression TGLS = 15-1]			
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 3-28]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	Mild
[Hepatodiaphragmatic Nodule TGLS = 10-27]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 12-2]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 11-3]			
* Mammary Gland		Carcinoma	
		Cyst	Mild
		Fibroadenoma	Multiple
[Carcinoma TGLS = 7-25]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 516

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97540

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21,5-23,8-26,4-22,6-24]			
* Ovary		Cyst	Minimal
[Cyst TGLS = 13-7]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 14-1]			
[Angiectasis TGLS = 14-1]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 518

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97542

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
Note: LARGE EOSINOPHILIC FOCUS CAUSING COMPRESSION IS PRESENT ON SLIDE 6 [Eosinophilic Focus TGLS = 4-23]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 5-2,6-24]			
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-22,8-26,1-21]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
* Uterus	Endometrium	Cyst	
[Cyst TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 519

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97543

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Minimal
* Brain		Compression	Mild
[Compression TGLS = 3-1]			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Adenoma	
[Adenoma TGLS = 5-22]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 6-23]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Mild
		Fibroadenoma	
[Fibroadenoma TGLS = 2-21]			
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 519

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97543

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-1]

[Angiectasis TGLS = 4-1]

[Cyst TGLS = 4-1]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 520

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97544

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Mild
[Compression TGLS = 10-1]			
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Diffuse, Moderate
	Transit Epithe	Infarct	Mild
		Inflammation	Chronic Active, Mild
		Nephropathy	Moderate
[Infarct TGLS = 8-5]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21,3-22,5-24,6-25,4-23]			
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 9-1]			
[Angiectasis TGLS = 9-1]			
* Skin	Subcut Tiss	Fibroma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 520	TRT#: 8	SEX: Female	DAY ON TEST: 736
	DOSE: 1000 MG/L	DISP: Terminal Sacrifice	HISTO: 97544

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLS = 7-26]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 521

TRT#: 8

SEX: Female

DAY ON TEST: 618

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97545

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Bilateral	Adenoma	
[Adenoma TGLS = 6-25,7-8]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Hyperplasia TGLS = 11-26]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 10-3]			
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 3-8]			
[Fibroadenoma TGLS = 5-24,4-23,2-22,1-21]			
* Ovary		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Minimal
[Adenoma TGLS = 14-1]			
[Cyst TGLS = 13-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 521

TRT#: 8

SEX: Female

DAY ON TEST: 618

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97545

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Fibrosarcoma TGLS = 6-25]	Subcut Tiss	Fibrosarcoma	
* Spleen [Leukemia Mononuclear TGLS = 9-6]		Leukemia Mononuclear	
* Stomach, Glandular [Erosion TGLS = 15-4]		Erosion	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrosarcoma

Animal Note: TGL6, CLITORAL GLAND, IS ALSO ENTERED AS SKIN AS 2 LESIONS ARE PRESENT

Animal Note: VAGINAL EXUDATE ON SLIDE 7 IS NOT TABULATED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 523

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 97547

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia	Minimal Focal, Mild
Note: CYTOPLASMIC VACUOLIZATION IS PRESENT IN THE HYPERPLASTIC LESION			
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland		Adenoma Cyst	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule Hyperplasia Inflammation	Mild Mild Chronic, Minimal
	Bile Duct		
			[Hepatodiaphragmatic Nodule TGLS = 6-25] [Inflammation TGLS = 8-26]
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst Fibroadenoma	Mild Multiple
			[Cyst TGLS = 1-8] [Fibroadenoma TGLS = 3-22,5-24,4-23,2-21]
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 523

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97547

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis

Angiectasis

Mild

[Adenoma TGLS = 7-1]

[Angiectasis TGLS = 7-1]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 524

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 97548

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Adenoma	
[Adenoma TGLS = 11-28]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
Note: THE MIXED CELL FOCUS IS LARGE			
[Basophilic Focus TGLS = 10-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Minimal
[Alveolar/Bronchiolar Adenoma TGLS = 13-2]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 12-3]			
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 4-23,5-24,6-25,7-26,7-26-1,8-27,17-31,3-22,2-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 524

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97548

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 15-1]

[Cyst TGLS = 15-1]

* Spleen

* Thyroid Gland

* Uterus

[Polyp Stromal TGLS = 16-30]

C Cell

Hematopoietic Cell Proliferation

Hyperplasia

Polyp Stromal

Mild

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 525

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97549

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Clitoral Gland		Cyst	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Eosinophilic Focus TGLS = 8-26]			
[Mixed Cell Focus TGLS = 10-28]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 9-27]			
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Cyst TGLS = 6-8]			
[Fibroadenoma TGLS = 2-22,3-23,4-24,5-25,1-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection byproducts (Bromochloroacetic acid)
CAS Number: 5589-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 16:40:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 525	TRT#: 8	SEX: Female	DAY ON TEST: 736
	DOSE: 1000 MG/L	DISP: Terminal Sacrifice	HISTO: 97549

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus [Polyp Stromal TGLS = 7-7]	Pars Distalis	Cyst Polyp Stromal	Moderate
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PRIMARY CAUSE OF DEATH	-
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** END OF REPORT **

* PROTOCOL REQUIRED TISSUE