

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:12  
**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:** 08/22/2006

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 1	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 734 <b>HISTO:</b> 96497
---------------------	---------------------------------------	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland	* Thymus
---------------------	----------

OBSERVATIONS

* Adrenal Cortex	Capsule Capsule	Adenoma Hyperplasia Hypertrophy Hyperplasia	Mild Focal, Mild Moderate
* Islets, Pancreatic		Nephropathy	Moderate
* Kidney		Eosinophilic Focus	
* Liver		Hepatocellular Adenoma	
Note: EOSINOPHILIC FOCUS IS ON SLIDE 21. [ Hepatocellular Adenoma TGLS = 2-21 ]			
* Lung		Alveolar/Bronchiolar Carcinoma Infiltration Cellular	Histiocyte, Moderate
Note: TWO SECTIONS OF THE SAME MASS (ALVEOLAR/BRONCHIOLAR CARCINOMA) ARE PRESENT ON SLIDE 2. [ Alveolar/Bronchiolar Carcinoma TGLS = 3-2 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Preputial Gland	Duct	Ectasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 2	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b> 96498
---------------------	---------------------------------------	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Bone Marrow		Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Moderate
[ Adenoma TGLS = 5-23 ]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	
Note: BASOPHILIC FOCUS IS ON SLIDE 21 (NORMAL ONCOGENE SECTION).			
[ Clear Cell Focus TGLS = 2-6,3-6 ]			
[ Hepatocellular Adenoma TGLS = 1-22 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic, Moderate
[ Ectasia TGLS = 4-8 ]			
[ Inflammation TGLS = 4-8 ]			

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:12  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 2

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96498

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b> 96499
---------------------	---------------------------------------	---	--

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Bone Marrow		Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Cyst	Moderate
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[ Hepatocellular Carcinoma TGLS = 3-22, 2-21 ]			
* Preputial Gland	Duct	Ectasia	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 4	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 328
	<b>DOSE:</b> 0 MG/L	<b>DISP:</b> Natural Death	<b>HISTO:</b> 96500

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Gallbladder

**AUTO PRECLUDES DIAG.**

\* Intestine Small, Jejunum

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Moderate
* Liver		Hepatocellular Carcinoma	
Note: EXCESSIVE HEMORRHAGE AND CONGESTION ASSOCIATED WITH THE HEPATOCELLULAR CARCINOMA.			
[ Hepatocellular Carcinoma TGLS = 1-21 ]			
* Preputial Gland	Duct	Ectasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal

<b>PRIMARY CAUSE OF DEATH</b>	- Liver	Hepatocellular Carcinoma
-------------------------------	---------	--------------------------

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b> 96501
---------------------	---------------------------------------	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

\* Parathyroid Gland

INSUFFICIENT TISSUE

\* Lymph Node, Mesenteric

OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatoblastoma	
[ Hepatoblastoma TGLS = 1-6 ]			
* Pituitary Gland	Pars Intermed	Adenoma	
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic, Mild
* Thymus		Atrophy	Mild
		Cyst	Moderate
* Thyroid Gland	Follicle	Cyst	Moderate
	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96502

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Bone                   | * Brain                    | * Epididymis              |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Kidney                    | * Lung                   | * Lymph Node, Mandibular   | * Mammary Gland           |
| * Nose                      | * Pancreas               | * Pituitary Gland          | * Preputial Gland         |
| * Prostate                  | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   | * Thymus                  |
| * Trachea                   | * Urinary Bladder        |                            |                           |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |   |                |                                  |                |
|---|----------------|----------------------------------|----------------|
| * Adrenal Cortex                            |                | Hypertrophy                      | Focal, Minimal |
| * Bone Marrow                               |                | Hyperplasia                      | Minimal        |
| * Liver                                     |                | Clear Cell Focus                 |                |
|   |                | Hepatocellular Adenoma           | Multiple       |
|   |                | Hepatocellular Carcinoma         |                |
|   |                | Mixed Cell Focus                 |                |
| [ Hepatocellular Adenoma TGLS = 1-21, UPL ] |                |                                  |                |
| * Lymph Node, Mesenteric                    |                | Atrophy                          | Mild           |
|   |                | Hemorrhage                       | Moderate       |
| * Spleen                                    |                | Hematopoietic Cell Proliferation | Minimal        |
| * Thyroid Gland                             | Follicular Cel | Hyperplasia                      | Mild           |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 682
	<b>DOSE:</b> 0 MG/L	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 96504

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Eye	* Gallbladder	* 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
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Mild
* Esophagus		Ulcer	Marked
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Inflammation	Chronic, Mild
		Nephropathy	Mild
	[ Nephropathy TGLS = 4-5 ]		
* Liver		Angiectasis	Moderate
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	Centrilobular	Necrosis	Minimal
	[ Angiectasis TGLS = 2-6 ]		
	[ Hepatocellular Adenoma TGLS = 3-22 ]		
	[ Hepatocellular Carcinoma TGLS = 1-21, 3-22 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
		Foreign Body	
		Inflammation	Suppurative, Mild
	Note: ALVEOLAR/BRONCHIOLAR CARCINOMA ALSO PRESENT ON SLIDE 3 NEAR MEDIASTINAL LYMPH NODE.		
	[ Alveolar/Bronchiolar Carcinoma TGLS = 15-26,16-2 ]		
Lymph Node	Iliac	Hyperplasia	Lymphoid, Moderate
	Mediastinal	Hyperplasia	Lymphoid, Mild
	Iliac	Pigmentation	Mild
	[ Hyperplasia TGLS = 13-25 ]		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

---

<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 682
	<b>DOSE:</b> 0 MG/L	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 96504

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLS = 14-3 ]			
[ Pigmentation TGLS = 13-25 ]			
* Lymph Node, Mandibular		Hematopoietic Cell Proliferation	Mild
* Preputial Gland	Duct	Ectasia	Marked
[ Ectasia TGLS = 6-8 ]			
Skeletal Muscle		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
[ Alveolar/Bronchiolar Carcinoma TGLS = 11-23 ]			
* Skin	Subcut Tiss	Fibroma	
[ Fibroma TGLS = 12-24 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Moderate
		Ulcer	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Mild

---

PRIMARY CAUSE OF DEATH	- Lung	Alveolar/Bronchiolar Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Liver	Hepatocellular Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 9	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 731 <b>HISTO:</b> 96505
---------------------	---------------------------------------	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Harderian Gland	Acinus	Atrophy	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Amyloid Deposition	Marked
		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	
* Lung		Alveolar/Bronchiolar Carcinoma	
	[ Alveolar/Bronchiolar Carcinoma TGLS = 4-2 ]		
* Preputial Gland	Duct	Ectasia	Marked
* Skin	Epidermis	Hyperplasia	Marked
		Ulcer	Marked
	[ Hyperplasia TGLS = 1-21 ]		
	[ Ulcer TGLS = 1-21 ]		
* Spleen		Hematopoietic Cell Proliferation	Marked
	[ Hematopoietic Cell Proliferation TGLS = 2-6 ]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
	Follicular Cel	Hyperplasia	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:12

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

**Lab:** SRI

---

**ANIMAL ID:** 9

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96505

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLS = 5-3 ]

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96506

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Islets, Pancreatic	Adenoma	
	Hyperplasia	Mild
* Kidney	Metaplasia	Osseous, Minimal
	Nephropathy	Minimal
* Liver	Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 2-6 ]		
* Lymph Node, Mandibular	Atrophy	Moderate
* Seminal Vesicle	Degeneration	Moderate
[ Degeneration TGLS = 1-7 ]		
* Thymus	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 617

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 96507

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Thymus

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Bone Marrow		Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[ Hepatocellular Adenoma TGLS = 2-22 ]			
[ Hepatocellular Carcinoma TGLS = 3-23 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			
* Preputial Gland	Duct	Ectasia	Moderate

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:12  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 12      **TRT#:** 1      **SEX:** Male      **DAY ON TEST:** 731  
**DOSE:** 0 MG/L      **DISP:** Terminal Sacrifice      **HISTO:** 96508

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Thymus	* Trachea
* Urinary Bladder			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Capsule	Adenoma	
* Bone Marrow		Hyperplasia	Minimal
* Harderian Gland		Adenoma	
[ Adenoma TGLS = 5-12 ]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Infarct	
		Nephropathy	Mild
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Chronic, Mild
* Seminal Vesicle		Inflammation	Chronic, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
* Stomach, Glandular	Glands	Hyperplasia	Mild
* Testes	Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-21 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:12

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

**Lab:** SRI

---

**ANIMAL ID:** 12

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96508

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

---

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96510

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Inflammation	Chronic, Mild
		Metaplasia	Osseous, Minimal
		Nephropathy	Minimal
	Note: CHRONIC INFLAMMATION INVOLVES A BLOOD VESSEL IN KIDNEY (POLYARTERITIS).		
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Necrosis	Focal, Minimal
	[ Eosinophilic Focus TGLS = 7-23 ]		
	[ Hepatocellular Adenoma TGLS = 4-22 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[ Alveolar/Bronchiolar Carcinoma TGLS = 6-24 ]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
	[ Hyperplasia TGLS = 2-5 ]		
Mesentery	Fat	Necrosis	Marked
	Note: NECROTIC FAT IS PARTIALLY OSSIFIED AND IS ADHERED TO PANCREAS.		
	[ Necrosis TGLS = 3-21 ]		
* Preputial Gland	Duct	Ectasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:12  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 14	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b> 96510
----------------------	---------------------------------------	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hematopoietic Cell Proliferation TGLS = 1-6 ]

\* Thyroid Gland

Follicular Cel  
Follicular Cel

Adenoma  
Hyperplasia

Moderate

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96511

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* 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	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Mild
	[ Adenoma TGLS = 3-23 ]		
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
	[ Hepatocellular Carcinoma TGLS = 1-21, 2-22 ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Preputial Gland	Duct	Ectasia	Mild
		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 18	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b> 96514
----------------------	---------------------------------------	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Infarct	
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCELLULAR CARCINOMA IS EVIDENT ON SLIDES 6 AND 21. [ Hepatocellular Carcinoma TGLS = 1-21 ]			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 2-22 ]			
* Preputial Gland		Inflammation	Chronic, Mild
* Thymus		Cyst	Moderate

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

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: 96515

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* 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
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

\* Thymus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Infarct	
* Liver		Hemorrhage	Mild
[ Hemorrhage TGLS = 3-21 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Preputial Gland	Duct	Ectasia	Marked
* Thyroid Gland	Follicle	Degeneration	Focal, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 526

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 96516

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
		Infiltration Cellular	Histiocyte, Marked
[ Alveolar/Bronchiolar Carcinoma TGLS = 3-2 ]			
[ Infiltration Cellular TGLS = 4-2 ]			
Mesentery	Fat	Necrosis	Moderate
Note: THE FAT NECROSIS RESULTED IN ADHESIONS BETWEEN PANCREAS AND THE ABDOMINAL WALL.			
[ Necrosis TGLS = 2-21 ]			
* Preputial Gland	Duct	Ectasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Mild

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96517

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone Marrow		Hyperplasia	Mild
* Heart		Inflammation	Chronic, Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[ Eosinophilic Focus TGLS = 5-24 ]		
	[ Hepatocellular Adenoma TGLS = 2-21, 1-6 ]		
* Lung	Alveolar Epith	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 3-22 ]		
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 595

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 96520

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- |   |      |                                |                  |
|---|------|--------------------------------|------------------|
| * Harderian Gland                             |      | Hyperplasia                    | Focal, Mild      |
| * Kidney                                      |      | Nephropathy                    | Mild             |
| * Lung  |      | Alveolar/Bronchiolar Carcinoma |                  |
|   |      | Infiltration Cellular          | Histiocyte, Mild |
| [ Alveolar/Bronchiolar Carcinoma TGLS = 2-2 ] |      |                                |                  |
| * Preputial Gland                             | Duct | Ectasia                        | Marked           |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96521

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Eye	* Gallbladder	* 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
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Epididymis		Granuloma Sperm	Mild
* Kidney		Metaplasia	Osseous, Moderate
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Necrosis	Focal, Marked
[ Hepatocellular Adenoma TGLS = 1-21, 3-6, 4-6 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Germinal Epith	Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 674

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 96522

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	* Intestine Small, Jejunum	* Kidney	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

\* Gallbladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Intestine Large, Cecum		Edema	Mild
* Islets, Pancreatic		Hyperplasia	Moderate
* Liver		Hepatocellular Adenoma	Multiple
		Infarct	
[ Hepatocellular Adenoma TGLS = 3-22 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Preputial Gland	Duct	Ectasia	Moderate
* Spleen		Hemangioma	
[ Hemangioma TGLS = 2-21 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth		Malformation	
[ Malformation TGLS = 4-9 ]			

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Adenoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96525

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Infarct	
		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[ Clear Cell Focus TGLS = 1-6 ]			
* Preputial Gland	Duct	Ectasia	Mild
* Spleen	Lymph Follic	Hyperplasia	Mild
* Stomach, Forestomach		Squamous Cell Carcinoma	
		Squamous Cell Papilloma	

Note: SQUAMOUS CELL CARCINOMA APPEARS TO BE IN AN EARLY STAGE.

[ Squamous Cell Carcinoma TGLS = 3-21 ]

[ Squamous Cell Papilloma TGLS = 3-21 ]

* Thyroid Gland	Follicle	Degeneration	Focal, Mild
	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96526

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Mixed Cell Focus	
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-22 ]			
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:12  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 31	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 0 MG/L	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 96527

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Liver	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

---

**MISSING**

\* Parathyroid Gland

---

**OBSERVATIONS**

* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Preputial Gland	Duct	Ectasia	Mild
* Testes	Germinal Epith	Atrophy	Minimal
* Thymus		Atrophy	Moderate

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

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: 96528

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Prostate	* Seminal Vesicle	* Skin
Spinal Cord	* Stomach, Forestomach	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hemangiosarcoma	
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Moderate
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Mixed Cell Focus	
Note: ANGIECTASIS IS ON SLIDE 22.			
		[ Hepatocellular Adenoma TGLS = 4-22 ]	
		[ Hepatocellular Carcinoma TGLS = 1-21, 5-23 ]	
* Lung		Hemorrhage	Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
Peripheral Nerve		Atrophy	Moderate
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Chronic, Mild
		[ Inflammation TGLS = 2-8 ]	
* Salivary Glands		Hyperplasia	Lymphoid, Mild
Skeletal Muscle		Atrophy	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:12  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 32	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b> 96528
----------------------	---------------------------------------	---	--

---

<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>		
* Spleen [ Hemangiosarcoma TGLS = 3-6 ] [ Hematopoietic Cell Proliferation TGLS = 3-6 ]	Hemangiosarcoma Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular [ Ulcer TGLS = 6-24 ]	Ulcer	Mild
* Thymus	Atrophy Cyst	Moderate Moderate

---

<b>PRIMARY CAUSE OF DEATH</b>	-
-------------------------------	---

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 563

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 96530

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                          |                           |
|--------------------------|----------------------------|--------------------------|---------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Bone                   | * Brain                   |
| * Epididymis             | * 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, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland          | * Nose                    |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland        | * Prostate                |
| * Salivary Glands        | * Seminal Vesicle          | * Skin                   | * Stomach, Forestomach    |
| * Stomach, Glandular     | * Testes                   | * Thymus                 | * Thyroid Gland           |
| * Trachea                | * Urinary Bladder          |                          |                           |

MISSING

- \* Gallbladder

AUTO PRECLUDES DIAG.

- \* Intestine Small, Duodenum

OBSERVATIONS

- |                   |   |                                  |                    |
|-------------------|---|----------------------------------|--------------------|
| * Bone Marrow     |   | Hyperplasia                      | Moderate           |
| * Liver           |   | Hepatocellular Carcinoma         | Multiple           |
|                   | [ Hepatocellular Carcinoma TGLS = 2-21 ]        |                                  |                    |
| * Lung            |   | Hepatocellular Carcinoma         | Metastatic (Liver) |
|                   | [ Hepatocellular Carcinoma TGLS = 4-2 ]         |                                  |                    |
| * Preputial Gland | Duct  | Ectasia                          | Moderate           |
| * Spleen          |   | Hematopoietic Cell Proliferation | Moderate           |
|                   | [ Hematopoietic Cell Proliferation TGLS = 1-6 ] |                                  |                    |

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 555

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 96531

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

INSUFFICIENT TISSUE

\* Lymph Node, Mesenteric

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Intestine Small, Duodenum		Carcinoma	
[ Carcinoma TGLS = 3-22 ]			
* Kidney		Cyst	Moderate
		Nephropathy	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Preputial Gland	Duct	Ectasia	Moderate
* Skin	Epidermis	Hyperplasia	Moderate
		Ulcer	Marked
[ Hyperplasia TGLS = 1-21 ]			
[ Ulcer TGLS = 1-21 ]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 2-6 ]			
* Thymus		Atrophy	Mild
		Cyst	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate

PRIMARY CAUSE OF DEATH

- Intestine Small, Duodenum Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Skin Ulcer

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96532

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Adenoma	
[ Adenoma TGLS = 4-23 ]			
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Infarct	
		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Mild
Lymph Node	Iliac	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 6-24 ]			
[ Lymphoma Malignant TGLS = 5-3 ]			
[ Lymphoma Malignant TGLS = 2-21 ]			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 3-22 ]			
* Nose		Inflammation	Chronic, Moderate
* Pancreas		Lymphoma Malignant	
* Preputial Gland	Duct	Ectasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:12  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 36	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b> 96532
----------------------	---------------------------------------	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Spleen		Inflammation Hematopoietic Cell Proliferation Lymphoma Malignant	Chronic, Mild Moderate
[ Hematopoietic Cell Proliferation TGLS = 1-6 ] [ Lymphoma Malignant TGLS = 1-6 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

---

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96533

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
	Capsule	Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = 1-21,2-6 ]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 3-4 ]		
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 621

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 96534

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

\* Intestine Small, Jejunum

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Renal Tubule	Dilatation	Diffuse, Moderate
		Hydronephrosis	Mild
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Moderate
* Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	
		Infiltration Cellular	Mixed Cell, Moderate
		Necrosis	Focal, Moderate
Note: HEPATOBLASTOMA ON SLIDE 22 IS MARKEDLY AUTOLYZED.			
		[ Hepatoblastoma TGLS = 3-22 ]	
		[ Hepatocellular Carcinoma TGLS = 1-21 ]	
		[ Necrosis TGLS = 2-6,4-6 ]	
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
		[ Alveolar/Bronchiolar Adenoma TGLS = 5-23,6-24 ]	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Hemorrhage	Moderate
* Preputial Gland	Duct	Ectasia	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:12  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 38	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/L	<b>SEX:</b> Male <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 621 <b>HISTO:</b> 96534
----------------------	---------------------------------------	--	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Spleen	Lymph Follic	Atrophy Hematopoietic Cell Proliferation	Moderate Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
* Thymus		Atrophy	Moderate

---

PRIMARY CAUSE OF DEATH	- Liver	Hepatoblastoma
CONTRIBUTORY CAUSE OF DEATH	- Liver	Hepatocellular Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96535

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

\* Lymph Node, Mesenteric

OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Necrosis	Focal, Minimal
Note: HEPATOCELLULAR ADENOMA ALSO PRESENT ON SLIDE 6. CLEAR CELL FOCUS IS ON SLIDE 25.			
[ Hepatoblastoma TGLS = 2-22 ]			
[ Hepatocellular Adenoma TGLS = 2-22,3-23,5-25,6-26 ]			
Lymph Node	Iliac	Pigmentation	Moderate
[ Pigmentation TGLS = 4-24 ]			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 1-21 ]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 674

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 96536

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	Penis	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
	Capsule	Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Brain		Hemorrhage	Mild
* Heart		Mineralization	Moderate
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
[ Basophilic Focus TGLS = 6-21 ]			
[ Eosinophilic Focus TGLS = 7-22 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Marked
[ Alveolar/Bronchiolar Carcinoma TGLS = 5-2 ]			
* Lymph Node, Mesenteric		Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Marked
* Testes		Angiectasis	Moderate
[ Angiectasis TGLS = 2-7 ]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:12  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 40

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 674

**DOSE:** 0 MG/L

**DISP:** Moribund Sacrifice

**HISTO:** 96536

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Follicular Cel

Hyperplasia

Minimal

---

**PRIMARY CAUSE OF DEATH**

- Lung Alveolar/Bronchiolar Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: Q196537

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

\* Intestine Large, Cecum

INSUFFICIENT TISSUE

\* Preputial Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Harderian Gland		Adenoma	
* Intestine Small, Duodenum		Adenoma	
[ Adenoma TGLS = 3-22 ]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Infarct	
		Nephropathy	Mild
[ Infarct TGLS = 1-5 ]			
[ Nephropathy TGLS = 1-5 ]			
* Liver		Eosinophilic Focus	
[ Eosinophilic Focus TGLS = 2-21 ]			
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 4-23 ]			
* Preputial GI			
Note: [ONE GLAND PRESENT]			
* Thymus		Cyst	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:12

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

**Lab:** SRI

---

**ANIMAL ID:** 41

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** Q196537

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

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: 96538

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	Lymph Node	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	Penis
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

INSUFFICIENT TISSUE

\* Thymus

OBSERVATIONS

* Harderian Gland		Adenoma	
[ Adenoma TGLS = 7-12 ]			
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Moderate
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Infiltration Cellular	Mixed Cell, Mild
Note: HEPATOCELLULAR CARCINOMA IS PRESENT ON SLIDES 6 AND 21.			
[ Hepatocellular Carcinoma TGLS = 1-21 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Lymph Node, Mesenteric		Atrophy	Moderate
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Mild
[ Ectasia TGLS = 3-8 ]			
[ Inflammation TGLS = 3-8 ]			
* Testes	Germinal Epith	Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:12

**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:** 96538

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

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: 96539

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Intestine Small, Jejunum		Carcinoma	
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Renal Tubule	Dilatation	Diffuse, Moderate
	Renal Tubule	Hyperplasia	Minimal
	Renal Tubule	Necrosis	Minimal
* Liver		Basophilic Focus	
		Fibrosis	Minimal
		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Mild
[ Fibrosis TGLS = 5-21 ]			
* Lymph Node, Mesenteric		Atrophy	Moderate
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
* Preputial Gland	Duct	Ectasia	Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Stomach, Glandular		Erosion	Moderate
* Thymus		Atrophy	Moderate
Urethra		Angiectasis	Marked
		Inflammation	Acute, Moderate
[ Angiectasis TGLS = 4-22 ]			
[ Inflammation TGLS = 4-22 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:12

**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:** 96539

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96541

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Harderian Gland		Adenoma	
[ Adenoma TGLS = 4-12 ]			
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Metaplasia	Osseous, Moderate
* Liver		Clear Cell Focus	
[ Hepatocellular Adenoma TGLS = 1-6 ]		Hepatocellular Adenoma	Multiple
* Lung		Alveolar/Bronchiolar Carcinoma	
[ Alveolar/Bronchiolar Carcinoma TGLS = 2-2 ]		Infiltration Cellular	Histiocyte, Marked
[ Infiltration Cellular TGLS = 3-2 ]			
* Preputial Gland	Duct	Ectasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96542

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Intestine Small, Duodenum [ Adenoma TGLS = 5-23 ]		Adenoma	
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Moderate
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[ Eosinophilic Focus TGLS = 3-22,8-25 ]			
[ Hepatocellular Carcinoma TGLS = 4-6 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Moderate
[ Alveolar/Bronchiolar Carcinoma TGLS = 6-2 ]			
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 1-21 ]			
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
Note: MILD FIBROSIS ASSOCIATED WITH THE CHRONIC INFLAMMATION; NOT TABULATED.			
* Spleen		Hematopoietic Cell Proliferation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:12  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 46	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 734 <b>HISTO:</b> 96542
----------------------	---------------------------------------	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hematopoietic Cell Proliferation TGLS = 2-6 ]

* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96543

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Hyperplasia	Lymphoid, Moderate
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
		Regeneration	Moderate
[ Eosinophilic Focus TGLS = 4-23 ]			
[ Hepatocellular Carcinoma TGLS = 1-21 ]			
[ Mixed Cell Focus TGLS = 2-6 ]			
[ Regeneration TGLS = 3-22 ]			
* Preputial Gland	Duct	Ectasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Cyst	Moderate
* Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicle	Degeneration	Focal, Mild
	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96544

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

INSUFFICIENT TISSUE

\* Preputial Gland

OBSERVATIONS

* Kidney	Renal Tubule	Adenoma Cyst Nephropathy	Moderate Minimal
[ Adenoma TGLS = 3-22 ]			
* Liver		Eosinophilic Focus	
[ Eosinophilic Focus TGLS = 4-6 ]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Marked
[ Hyperplasia TGLS = 2-5 ]			
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 1-21 ]			
* Preputial GI			
Note: [ONE GLAND PRESENT]			
* Spleen	Lymph Follic	Hyperplasia	Mild
* Thymus		Cyst	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96545

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | * Bone                     | * Bone Marrow             | * Brain                     |
| * Epididymis             | * Esophagus                | * Eye                     | * Gallbladder               |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    | * Lymph Node, Mandibular    |
| * Mammary Gland          | * Nose                     | * Pancreas                | * Parathyroid Gland         |
| * Pituitary Gland        | * Prostate                 | * Salivary Glands         | * Seminal Vesicle           |
| * Skin                   | * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        |
| * Testes                 | * Thymus                   | * Thyroid Gland           | * Trachea                   |
| * Urinary Bladder        |                            |                           |                             |

OBSERVATIONS

- |   |         |                        |                |
|---|---------|------------------------|----------------|
| * Adrenal Cortex                            | Capsule | Adenoma                |                |
|   |         | Degeneration           | Fatty, Minimal |
| * Harderian Gland                           |         | Hyperplasia            | Focal, Minimal |
| * Heart                                     |         | Inflammation           | Chronic, Mild  |
| * Islets, Pancreatic                        |         | Hyperplasia            | Minimal        |
| * Kidney                                    |         | Infarct                |                |
|   |         | Inflammation           | Chronic, Mild  |
| * Liver                                     |         | Nephropathy            | Mild           |
|   |         | Clear Cell Focus       |                |
|   |         | Eosinophilic Focus     |                |
|   |         | Hepatocellular Adenoma |                |
|   |         | Mixed Cell Focus       |                |
|   |         |                        |                |
|   |         |                        |                |
|   |         |                        |                |
| [ Clear Cell Focus TGLS = 2-22 ]            |         |                        |                |
| [ Eosinophilic Focus TGLS = 3-23, 2-22 ]    |         |                        |                |
| [ Hepatocellular Adenoma TGLS = 1-21 ]      |         |                        |                |
| * Lymph Node, Mesenteric                    |         | Hyperplasia            | Lymphoid, Mild |
| * Preputial Gland                           | Duct    | Ectasia                | Moderate       |
| * Urin Bladder                              |         |                        |                |
| Note: INFUSION ARTIFACT IN URINARY BLADDER. |         |                        |                |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 52

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96548

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	Multiple
* Adrenal Medulla		Hyperplasia	Minimal
* Harderian Gland		Adenoma	
* Intestine Large, Cecum		Carcinoma	
[ Carcinoma TGLS = 3-23 ]			
* Islets, Pancreatic		Hyperplasia	Marked
* Kidney		Cyst	Moderate
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 2-22, 1-21 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Marked
[ Alveolar/Bronchiolar Carcinoma TGLS = 4-2 ]			
* Lymph Node, Mesenteric		Carcinoma	Metastatic (Intestine Large, Cecum)
		Hyperplasia	Lymphoid, Marked
* Pancreas			
Note: MODERATE LYMPHOID HYPERPLASIA IN PANCREAS; NOT TABULATED.			
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 53

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96549

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Harderian Gland		Hyperplasia	Focal, Moderate
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Moderate
		Infarct	
		Nephropathy	Mild
[ Cyst TGLS = 1-5,1-21 ]			
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[ Hepatocellular Adenoma TGLS = 2-6, UPL A, UPL B ]			
[ Hepatocellular Carcinoma TGLS = 2-6 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Bronchial	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 3-22 ]			
* Preputial Gland	Duct	Ectasia	Mild
* Spleen		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 54

TRT#: 1

SEX: Male

DAY ON TEST: 644

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 96550

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Gallbladder

AUTO PRECLUDES DIAG.

\* Intestine Small, Duodenum                      \* Intestine Small, Jejunum

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Infarct	
		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Necrosis	Focal, Mild
Note: EOSINOPHILIC FOCI ARE ON SLIDES 6 AND 22.			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Alveolar Epith	Hyperplasia	Moderate
* Lymph Node, Mesenteric		Atrophy	Mild
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:12  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 54	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/L	<b>SEX:</b> Male <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 644 <b>HISTO:</b> 96550
----------------------	---------------------------------------	--	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Preputial Gland	Duct	Ectasia Inflammation	Moderate Chronic, Moderate
[ Ectasia TGLS = 1-8 ] [ Inflammation TGLS = 1-8 ]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 3-6 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia Ulcer	Squamous, Moderate Mild
[ Hyperplasia TGLS = 10-27 ] [ Ulcer TGLS = 10-27 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

---

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 55

TRT#: 1

SEX: Male

DAY ON TEST: 630

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 96551

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mesenteric	* Parathyroid Gland
--------------------------	---------------------

OBSERVATIONS

* Bone Marrow	Hyperplasia	Mild
* Heart	Inflammation	Chronic, Mild
* Kidney	Nephropathy	Minimal
* Liver	Hemangiosarcoma	
	Hepatocellular Carcinoma	Multiple
[ Hepatocellular Carcinoma TGLS = 1-21 ]		
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)
* Salivary Glands	Hyperplasia	Lymphoid, Mild
* Spleen	Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 2-6 ]		
* Stomach, Glandular	Erosion	Moderate
	Ulcer	Moderate
* Thymus	Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 57

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96553

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Cyst Infarct	Moderate
[ Cyst TGLS = 3-5 ]			
* Liver		Eosinophilic Focus Hemangiosarcoma	
Note: HEMANGIOSARCOMA PRESENT ON SLIDES 6 AND 23.			
[ Eosinophilic Focus TGLS = 6-24 ]			
[ Hemangiosarcoma TGLS = 4-23 ]			
* Lung		Alveolar/Bronchiolar Adenoma Hyperplasia Infiltration Cellular	Lymphoid, Mild Histiocyte, Moderate
[ Alveolar/Bronchiolar Adenoma TGLS = 5-2 ]			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 1-21,2-22 ]			
* Preputial Gland	Duct	Ectasia Inflammation	Moderate Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 58

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96554

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Bone                     | * 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      |
| * Kidney                    | * Liver                  | * Lung                     | * Lymph Node, Mandibular  |
| * Mammary Gland             | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Seminal Vesicle          | * Spleen                  |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   | * Thymus                  |
| * Thyroid Gland             | Tooth                    | * Trachea                  | * Urinary Bladder         |

MISSING

- |               |                          |
|---------------|--------------------------|
| * Gallbladder | * Lymph Node, Mesenteric |
|---------------|--------------------------|

OBSERVATIONS

- |   |      |                         |                  |
|---|------|-------------------------|------------------|
| * Bone Marrow                           |      | Hyperplasia             | Moderate         |
| * Nose                                  |      | Foreign Body            |                  |
|   |      | Inflammation            | Chronic, Minimal |
| * Preputial Gland                       | Duct | Ectasia                 | Mild             |
| [ Ectasia TGLS = 1-8 ]                  |      |                         |                  |
| * Skin                                  |      | Squamous Cell Papilloma |                  |
| [ Squamous Cell Papilloma TGLS = 2-22 ] |      |                         |                  |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 59

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96555

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Adenoma	
	Capsule	Hyperplasia	Moderate
* Epididymis		Inflammation	Chronic, Mild
* Harderian Gland		Hyperplasia	Focal, Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Moderate
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[ Hepatoblastoma TGLS = 1-21 ]			
[ Hepatocellular Carcinoma TGLS = 1-21, UPL ]			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 2-22 ]			
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Hyperplasia	Mild
* Testes	Germinal Epith	Atrophy	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
	Follicular Cel	Hyperplasia	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:12  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 59

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96555

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 61

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96557

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Metaplasia	Osseous, Moderate
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	Hepatocyte	Vacuolization Cytoplasmic	Marked
[ Hepatocellular Carcinoma TGLS = 1-21 ]			
Mesentery	Fat	Necrosis	Moderate
Note: ZONE OF FIBROSIS SURROUNDING FAT NECROSIS WITH ADHESION TO MUSCLE OF ABDOMINAL WALL.			
[ Necrosis TGLS = 2-4 ]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

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: 96558

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
	Capsule	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCELLULAR ADENOMA IS ON SLIDE 6. [ Hepatocellular Carcinoma TGLS = 1-21,2-22 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Preputial Gland	Duct	Ectasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular		Erosion	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 63

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96559

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Bone Marrow		Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Moderate
		Metaplasia	Osseous, Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Cyst Multilocular	
	Hepatocyte	Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Moderate
Note: BASOPHILIC FOCUS IS ON SLIDE 21.			
[ Cyst Multilocular TGLS = 3-22 ]			
[ Hepatocellular Adenoma TGLS = 2-21 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Moderate
Mesentery	Fat	Necrosis	Marked
* Preputial Gland	Duct	Ectasia	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:12  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 63

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 734

**DOSE:** 0 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96559

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Ectasia TGLS = 1-8 ]

[ Inflammation TGLS = 1-8 ]

Inflammation

Chronic, Mild

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 66

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96562

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
	Capsule	Hyperplasia	Mild
* Kidney	Renal Tubule	Adenoma	
		Infarct	
		Nephropathy	Mild
* Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	Multiple
		Infiltration Cellular	Histiocyte, Marked
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic, Moderate
* Thymus		Cyst	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96563

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* 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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Harderian Gland		Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Kidney		Cyst	Moderate
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
[ Clear Cell Focus TGLS = UPL ]		Mixed Cell Focus	
[ Hepatocellular Adenoma TGLS = 1-21 ]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96564

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* 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	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

INSUFFICIENT TISSUE

* Bone Marrow	* Thymus
---------------	----------

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Marked
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	[ Hepatocellular Carcinoma TGLS = 3-21 ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mandibular		Atrophy	Mild
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Mild
	[ Ectasia TGLS = 1-8 ]		
	[ Inflammation TGLS = 1-8 ]		
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Mild
* Testes	Germinal Epith	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 69

TRT#: 3

SEX: Male

DAY ON TEST: 659

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 96565

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

\* Parathyroid Gland

AUTO PRECLUDES DIAG.

\* Gallbladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Mild
* Liver		Hepatoblastoma	
	Centrilobular	Hepatocellular Adenoma	
		Necrosis	Marked
	[ Hepatoblastoma TGLS = 2-21 ]		
* Lung		Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic, Moderate
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
	[ Hyperplasia TGLS = 4-22 ]		
* Thymus		Atrophy	Moderate
		Cyst	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:12

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

**Lab:** SRI

---

**ANIMAL ID:** 69

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 659

**DOSE:** 250 MG/L

**DISP:** Natural Death

**HISTO:** 96565

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

- Liver Hepatoblastoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 70

TRT#: 3

SEX: Male

DAY ON TEST: 574

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 96566

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Epididymis	* Esophagus
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Mammary Gland
* Nose	* Pituitary Gland	* Seminal Vesicle	* Testes
* Thyroid Gland	* Trachea		

MISSING

\* Parathyroid Gland

AUTO PRECLUDES DIAG.

\* Intestine Small, Duodenum

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Lymphoma Malignant	
* Bone Marrow		Lymphoma Malignant	
* Brain		Lymphoma Malignant	
* Eye		Lymphoma Malignant	
* Heart		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 12-12 ]		
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Lymphoma Malignant	
* Liver		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = UPLA,UPLB ]		
	[ Lymphoma Malignant TGLS = 10-6 ]		
* Lung		Lymphoma Malignant	
Lymph Node	Deep Cervical	Lymphoma Malignant	
	Iliac	Lymphoma Malignant	
	Inguinal	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
		Lymphoma Malignant	

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 70

TRT#: 3

SEX: Male

DAY ON TEST: 574

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 96566

ORGAN AND ACCOUNTABLE SITE STATUS

- [ Lymphoma Malignant TGLS = 7-25 ]
- [ Lymphoma Malignant TGLS = 4-23 ]
- [ Lymphoma Malignant TGLS = 3-22 ]
- [ Lymphoma Malignant TGLS = 11-3 ]
- [ Lymphoma Malignant TGLS = 13-27 ]
- [ Lymphoma Malignant TGLS = 6-24 ]

\* Lymph Node, Mandibular

Lymphoma Malignant

\* Lymph Node, Mesenteric

Lymphoma Malignant

- [ Lymphoma Malignant TGLS = 8-5 ]

Mesentery

Fat

Necrosis

Moderate

- [ Necrosis TGLS = 9-26 ]

\* Pancreas

Lymphoma Malignant

\* Preputial Gland

Duct

Ectasia

Mild

\* Prostate

Lymphoma Malignant

\* Salivary Glands

Lymphoma Malignant

- [ Lymphoma Malignant TGLS = 1-8 ]

Skeletal Muscle

Lymphoma Malignant

- [ Lymphoma Malignant TGLS = 14-28 ]

\* Skin

Lymphoma Malignant

- [ Lymphoma Malignant TGLS = 2-21 ]

\* Spleen

Lymphoma Malignant

- [ Lymphoma Malignant TGLS = 5-6 ]

\* Stomach, Forestomach

Epithelium

Hyperplasia

Squamous, Moderate

\* Stomach, Glandular

Lymphoma Malignant

\* Thymus

Lymphoma Malignant

\* Urinary Bladder

Lymphoma Malignant

PRIMARY CAUSE OF DEATH

- Spleen Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 703

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 96567

**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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Seminal Vesicle	* Stomach, Forestomach	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Thymus

**AUTO PRECLUDES DIAG.**

\* Gallbladder

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Inflammation	Chronic, Mild
[ Inflammation TGLS = 2-7 ]			
* Heart		Hemorrhage	Mild
		Inflammation	Chronic, Mild
* Kidney		Inflammation	Suppurative, Moderate
	Renal Tubule	Necrosis	Mild
* Liver		Hemangiosarcoma	
	Centrilobular	Necrosis	Marked
[ Hemangiosarcoma TGLS = 5-6 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
[ Alveolar/Bronchiolar Carcinoma TGLS = 6-2 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
Mesentery		Hemangiosarcoma	
[ Hemangiosarcoma TGLS = 4-5 ]			
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:12  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 71	<b>TRT#:</b> 3 <b>DOSE:</b> 250 MG/L	<b>SEX:</b> Male <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 703 <b>HISTO:</b> 96567
----------------------	---	--	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Salivary Glands	Hyperplasia	Lymphoid, Mild
	Necrosis	Moderate
* Skin [ Hemorrhage TGLS = 1-8 ]	Hemorrhage	Minimal
* Spleen [ Hematopoietic Cell Proliferation TGLS = 3-6 ]	Hematopoietic Cell Proliferation	Marked
* Stomach, Glandular [ Erosion TGLS = 7-21 ]	Erosion	Mild

---

PRIMARY CAUSE OF DEATH	- Liver	Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Lung	Alveolar/Bronchiolar Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 72	<b>TRT#:</b> 3 <b>DOSE:</b> 250 MG/L	<b>SEX:</b> Male <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 661 <b>HISTO:</b> 96568
----------------------	---	--	--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Heart
* 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	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

- \* Gallbladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Harderian Gland		Carcinoma	
* Kidney		Cyst	Moderate
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 2-6,UPLA ]			
* Lung		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Histiocyte, Moderate
Mesentery		Angiectasis	Moderate
	Fat	Necrosis	Moderate
[ Angiectasis TGLS = 3-22 ]			
[ Necrosis TGLS = 1-21 ]			
* Preputial Gland	Duct	Ectasia	Mild

PRIMARY CAUSE OF DEATH - Harderian Gland Carcinoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 74

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96570

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Intestine Small, Duodenum		Carcinoma	
[ Carcinoma TGLS = 3-21 ]			
* Islets, Pancreatic		Adenoma	
* Kidney		Inflammation	Chronic, Mild
* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 2-6 ]		Necrosis	Focal, Minimal
* Preputial Gland	Duct	Ectasia	Moderate
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 1-6 ]			
* Thymus		Atrophy	Mild
		Cyst	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 75

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96571

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone Marrow		Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
Note: GALLBLADDER IS ON SLIDE 21.			
[ Hepatoblastoma TGLS = 1-22 ]			
[ Hepatocellular Adenoma TGLS = 3-23 ]			
[ Hepatocellular Carcinoma TGLS = 2-21,4-24 ]			
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Moderate
[ Ectasia TGLS = 5-8 ]			
[ Inflammation TGLS = 5-8 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate
		Cyst	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:12  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 75

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 250 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96571

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urinary Bladder

Edema

Moderate

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 76

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96572

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* 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
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney	Renal Tubule	Adenoma Infarct Nephropathy	Mild
	[ Infarct TGLS = 2-5 ] [ Nephropathy TGLS = 2-5 ]		
* Liver		Clear Cell Focus Eosinophilic Focus Hepatocellular Adenoma Mixed Cell Focus	Multiple
	Note: HEPATOCELLULAR ADENOMAS ARE ON SLIDES 6 AND 22. [ Eosinophilic Focus TGLS = 4-23 ] [ Hepatocellular Adenoma TGLS = 2-22,1-21,5-24 ]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 77

TRT#: 3

SEX: Male

DAY ON TEST: 602

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 96573

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Epididymis
* Esophagus	* Eye	* Gallbladder	* 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, Mandibular	* Mammary Gland	* Nose	* Pancreas
Peripheral Nerve	* Prostate	* Salivary Glands	* Seminal Vesicle
Skeletal Muscle	* Skin	Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

\* Parathyroid Gland

OBSERVATIONS

Blood Vessel		Hypertrophy Inflammation	Marked Chronic, Marked
Note: CHRONIC INFLAMMATION AND HYPERTROPHY COMPRISE THE ENTITY "PERIARTERITIS" OCCASIONALLY SEEN IN MICE. [ Hypertrophy TGLS = 1-21 ] [ Inflammation TGLS = 1-21 ]			
* Bone Marrow		Hyperplasia	Marked
* Brain		Gliosis	Moderate
Note: GLIOSIS INCLUDES AGGREGATES OF FOAMY HISTIOCYTES AND A FEW INTERSPERSED CHOLESTEROL CLEFTS.			
* Kidney		Metaplasia Nephropathy	Osseous, Moderate Minimal
* Liver		Basophilic Focus	
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Preputial Gland	Duct	Ectasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Cyst	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:12

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

**Lab:** SRI

---

**ANIMAL ID:** 77

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 602

**DOSE:** 250 MG/L

**DISP:** Moribund Sacrifice

**HISTO:** 96573

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

- Blood Vessel Inflammation

---

Animal Note: PERIARTERITIS IS PRESENT AT SEVERAL LOCATIONS INVOLVING TISSUES ON SLIDES 1, 3, 4, 5, 7, 11, 12, AND 44.

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96574

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Moderate
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 3-6 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Mild
[ Alveolar/Bronchiolar Carcinoma TGLS = 2-2 ]			
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 80

TRT#: 3

SEX: Male

DAY ON TEST: 617

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 96576

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Lung
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

\* Intestine Small, Jejunum

INSUFFICIENT TISSUE

\* Lymph Node, Mesenteric

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Renal Tubule	Necrosis	Moderate
		Nephropathy	Mild
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[ Hepatoblastoma TGLS = 2-6 ]		
	[ Hepatocellular Adenoma TGLS = UPLA ]		
	[ Hepatocellular Carcinoma TGLS = UPLB ]		
* Lymph Node, Mandibular		Atrophy	Moderate
* Preputial Gland	Duct	Ectasia	Moderate
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular		Erosion	Moderate

Note: EROSIONS ARE VISIBLE ON SLIDES 4 AND 21.

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 80

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 617

**DOSE:** 250 MG/L

**DISP:** Natural Death

**HISTO:** 96576

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Erosion TGLS = 3-21 ]

\* Thymus

Atrophy

Moderate

\* Urin Bladder

Note: INFUSION ARTIFACT IN URINARY BLADDER.

---

**PRIMARY CAUSE OF DEATH**

- Liver Hepatoblastoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 81

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96577

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia Hypertrophy	Mild Focal, Mild
* Bone Marrow		Hyperplasia	Mild
* Epididymis		Spermatocele	Moderate
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus Hepatoblastoma Hepatocellular Adenoma Mixed Cell Focus	Multiple
[ Eosinophilic Focus TGLS = UPL ] [ Hepatoblastoma TGLS = 3-6 ] [ Hepatocellular Adenoma TGLS = 3-6 ]			
Mesentery	Fat	Necrosis	Marked
Note: ZONE OF CHRONIC INFLAMMATION AND FIBROSIS SURROUNDING NECROTIC FAT WITH ADHESIONS TO ABDOMINAL WALL. [ Necrosis TGLS = 1-21 ]			
* Preputial Gland	Duct	Ectasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 2-6 ]			
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:13

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

**Lab:** SRI

---

**ANIMAL ID:** 81

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 250 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96577

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

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: 96578

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

INSUFFICIENT TISSUE

\* Lymph Node, Mesenteric

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Marked
* Liver		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	Multiple
Note: LESION ON SLIDE 22 IS MARKEDLY NECROTIC. HEPATOCELLULAR ADENOMAS ARE ON SLIDE 6.			
[ Hepatoblastoma TGLS = 3-6,5-22 ]			
[ Hepatocellular Adenoma TGLS = 4-6 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-21 ]			
* Preputial Gland	Duct	Ectasia	Marked
[ Ectasia TGLS = 1-8 ]			
[ Inflammation TGLS = 1-8 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
	Follicular Cel	Hyperplasia	Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:13

**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:** 96578

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96579

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Mixed Cell Focus	
		[ Eosinophilic Focus TGLS = 5-23 ]	
		[ Hepatocellular Adenoma TGLS = 4-22 ]	
* Lung	Alveolar Epith	Hyperplasia	Mild
		[ Hyperplasia TGLS = 3-21 ]	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Lymph Node, Mesenteric		Atrophy	Mild
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Moderate
		[ Ectasia TGLS = 1-8 ]	
		[ Inflammation TGLS = 1-8 ]	
* Prostate		Inflammation	Chronic, Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 83	<b>TRT#:</b> 3 <b>DOSE:</b> 250 MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 734 <b>HISTO:</b> 96579
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
	Follicular Cel	Hyperplasia	Minimal
<b>PRIMARY CAUSE OF DEATH</b>	-		

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 610

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 96580

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Harderian Gland		Adenoma	
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatoblastoma	Multiple
[ Basophilic Focus TGLS = 3-23 ]			
[ Eosinophilic Focus TGLS = 9-26 ]			
[ Hepatoblastoma TGLS = 2-22,4-24 ]			
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Mild
Mesentery		Hepatoblastoma	Metastatic (Liver)
[ Hepatoblastoma TGLS = 1-21 ]			
* Pancreas		Hepatoblastoma	Metastatic (Liver)
Note: METASTATIC HEPATOBLASTOMA IS ON SLIDE 21.			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic, Mild
* Skin		Cyst Epithelial Inclusion	
[ Cyst Epithelial Inclusion TGLS = 7-25 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:13

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

**Lab:** SRI

---

**ANIMAL ID:** 84

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 610

**DOSE:** 250 MG/L

**DISP:** Natural Death

**HISTO:** 96580

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thyroid Gland

Follicle

Degeneration

Focal, Minimal

Follicular Cel

Hyperplasia

Minimal

---

PRIMARY CAUSE OF DEATH

- Liver Hepatoblastoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96582

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Necrosis	Focal, Mild
Note: LIVER NECROSIS IS ON SLIDE 22.			
			[ Hepatocellular Adenoma TGLS = 2-6,3-22 ]
			[ Hepatocellular Carcinoma TGLS = 4-23 ]
* Lung		Alveolar/Bronchiolar Carcinoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
		Infiltration Cellular	Histiocyte, Mild
			[ Alveolar/Bronchiolar Carcinoma TGLS = 5-24 ]
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Lymphoma Malignant	
			[ Lymphoma Malignant TGLS = 1-21 ]
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96584

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* 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	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

\* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Bone Marrow		Hyperplasia	Moderate
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Metaplasia	Osseous, Minimal
* Liver		Eosinophilic Focus	
	Hepatocyte	Hepatoblastoma	
	[ Hepatoblastoma TGLS = UPLB ]	Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = 1-6, UPLA ]	Vacuolization Cytoplasmic	Moderate
* Lung		Alveolar/Bronchiolar Carcinoma	
	[ Alveolar/Bronchiolar Carcinoma TGLS = 2-2 ]	Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
* Parathyroid Gland		Cyst	Moderate
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 3-21 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96585

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Heart
* 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	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

INSUFFICIENT TISSUE

\* Thymus

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia Hypertrophy	Mild Focal, Mild
* Bone Marrow		Hyperplasia	Moderate
* Harderian Gland		Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Kidney		Metaplasia Nephropathy	Osseous, Mild Minimal
* Liver		Basophilic Focus Eosinophilic Focus Hepatocellular Adenoma Hepatocellular Carcinoma Vacuolization Cytoplasmic	Moderate
[ Eosinophilic Focus TGLS = 3-22 ]	Hepatocyte		
[ Hepatocellular Carcinoma TGLS = 1-21 ]			
* Lung		Infiltration Cellular	Histiocyte, Moderate
Note: MOST OF THE INFILTRATING HISTIOCYTES (ALVEOLAR MACROPHAGES) CONTAIN HEMOSIDERIN PIGMENT.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Preputial Gland	Duct	Ectasia Inflammation	Moderate Chronic, Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:13

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

**Lab:** SRI

---

<b>ANIMAL ID:</b> 89	<b>TRT#:</b> 3 <b>DOSE:</b> 250 MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b> 96585
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
PRIMARY CAUSE OF DEATH	-		

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 609

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 96586

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* 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
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

INSUFFICIENT TISSUE

\* Bone Marrow

OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule	Moderate
* Bone Marrow		
Note: SMALL THROMBUS IN BONE MARROW; CONSIDERED INCIDENTAL AND NOT TABULATED.		
* Heart	Cardiomyopathy	Minimal
* Islets, Pancreatic	Hyperplasia	Minimal
* Liver	Basophilic Focus	
	Hepatoblastoma	
	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	Multiple
	Necrosis	Focal, Minimal

Note: HEPATOCELLULAR CARCINOMAS ARE ON SLIDES 6, 22, AND 23. HEPATOCELLULAR ADENOMAS ARE ON SLIDES 6 AND 22. HEPATOBLASTOMA ON SLIDE 21 IS MARKEDLY NECROTIC.

- [ Hepatoblastoma TGLS = 1-21 ]
- [ Hepatocellular Adenoma TGLS = 2-22 ]
- [ Hepatocellular Carcinoma TGLS = 3-23 ]

* Lung	Edema	Moderate
	Hepatoblastoma	Metastatic (Liver)
* Lymph Node, Mandibular	Atrophy	Moderate
	Pigmentation	Moderate
* Spleen	Lymph Follic	Atrophy
		Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 90

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 609

**DOSE:** 250 MG/L

**DISP:** Natural Death

**HISTO:** 96586

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Stomach, Forestomach

\* Thymus

Hematopoietic Cell Proliferation

Ulcer

Atrophy

Marked

Moderate

Mild

---

PRIMARY CAUSE OF DEATH

- Liver Hepatoblastoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96587

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[ Hepatocellular Adenoma TGLS = 2-6,UPL ]			
[ Hepatocellular Carcinoma TGLS = 1-21 ]			
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Mild
[ Ectasia TGLS = 3-8 ]			
[ Inflammation TGLS = 3-8 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 92

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96588

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Thymus

OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Moderate
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[ Hepatocellular Adenoma TGLS = 2-6 ]			
[ Hepatocellular Carcinoma TGLS = 2-6,UPL ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
[ Hepatocellular Carcinoma TGLS = 3-2 ]			
* Preputial Gland	Duct	Ectasia	Moderate
[ Ectasia TGLS = 1-8 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 674

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 96589

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

\* Thymus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Thrombosis	Marked
[ Thrombosis TGLS = 4-12 ]			
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Hydronephrosis	Mild
		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[ Hepatocellular Adenoma TGLS = 2-22 ]			
[ Hepatocellular Carcinoma TGLS = 1-21 ]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
[ Hyperplasia TGLS = 6-24 ]			
* Lymph Node, Mandibular		Hematopoietic Cell Proliferation	Minimal
* Lymph Node, Mesenteric		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 93	<b>TRT#:</b> 3 <b>DOSE:</b> 250 MG/L	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 674 <b>HISTO:</b> 96589
----------------------	---	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Testes	Germinal Epith	Atrophy	Moderate
* Thyroid Gland	Follicle	Cyst	Moderate
	Follicular Cel	Hyperplasia	Mild

---

PRIMARY CAUSE OF DEATH	- Liver Hepatocellular Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Heart Thrombosis

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 576

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 96590

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatocellular Carcinoma	Multiple
		Mixed Cell Focus	
[ Hepatocellular Carcinoma TGLS = 2-21 ]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
[ Hyperplasia TGLS = 3-2 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96591

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* 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	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Hypertrophy	Focal, Mild
* Harderian Gland	Adenoma	
* Kidney	Inflammation	Chronic, Moderate
	Nephropathy	Marked

Note: THE NEPHROPATHY IS UNILATERAL.

[ Inflammation TGLS = 2-5 ]

[ Nephropathy TGLS = 2-5 ]

* Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
	Vacuolization Cytoplasmic	Mild

Note: EOSINOPHILIC FOCUS IS ON SLIDE 23. HEPATOCELLULAR ADENOMAS ARE ON SLIDES 6, 21, 22, AND 23.

[ Eosinophilic Focus TGLS = 7-23 ]

[ Hepatocellular Adenoma TGLS = 5-21,6-22 ]

* Lung	Hemorrhage	Minimal
* Lymph Node, Mandibular	Hyperplasia	Lymphoid, Marked
* Lymph Node, Mesenteric	Atrophy	Moderate
* Preputial Gland	Duct	Ectasia
		Mild
		Chronic, Mild
* Stomach, Forestomach	Inflammation	
	Hemangioma	

[ Hemangioma TGLS = 4-24 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:13

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

**Lab:** SRI

---

<b>ANIMAL ID:</b> 95	<b>TRT#:</b> 3 <b>DOSE:</b> 250 MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 731 <b>HISTO:</b> 96591
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
* Thymus		Atrophy	Moderate
<b>PRIMARY CAUSE OF DEATH</b>	-		

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 486

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 96592

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mesenteric	* Thymus
--------------------------	----------

OBSERVATIONS

* Kidney		Metaplasia	Osseous, Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Carcinoma	
		Necrosis	Focal, Marked
[ Hepatocellular Carcinoma TGLS = 1-21 ]			
* Lymph Node, Mandibular		Atrophy	Mild
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96593

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[ Hepatocellular Adenoma TGLS = 2-6 ]			
[ Hepatocellular Carcinoma TGLS = 3-21 ]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Marked
[ Hyperplasia TGLS = 4-5 ]			
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic, Moderate
[ Ectasia TGLS = 1-8 ]			
[ Inflammation TGLS = 1-8 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96594

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Bone	Cranium	Osteopetrosis	Moderate
[ Osteopetrosis TGLS = 11-25 ]			
* Harderian Gland		Adenoma	
[ Adenoma TGLS = 12-12 ]			
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[ Eosinophilic Focus TGLS = 6,13-23,27 ]			
[ Hepatocellular Adenoma TGLS = 2-21,5-22,7-6,13-27,14-28 ]			
[ Hepatocellular Carcinoma TGLS = 3-6,4-24 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	Multiple
		Infiltration Cellular	Histiocyte, Marked
[ Alveolar/Bronchiolar Adenoma TGLS = 8-26 ]			
[ Alveolar/Bronchiolar Carcinoma TGLS = 9-2 ]			
[ Infiltration Cellular TGLS = 10-2 ]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Preputial Gland	Duct	Ectasia	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 98	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> 250 MG/L	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 96594

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Ectasia TGLS = 1-8 ]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 101

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96597

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Metaplasia	Osseous, Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 102

TRT#: 3

SEX: Male

DAY ON TEST: 555

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 96598

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Intestine Small, Ileum	* Lymph Node, Mandibular	* Parathyroid Gland	* Thymus
--------------------------	--------------------------	---------------------	----------

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone Marrow		Hyperplasia	Mild
* Intestine Large, Cecum		Edema	Mild
* Intestine Small, Jejunum		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 3-3 ]			
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Moderate
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: HEPATOCELLULAR ADENOMAS ARE ON SLIDES 21, 22, AND 23.			
[ Hepatocellular Adenoma TGLS = 4-21,5-22 ]			
[ Hepatocellular Carcinoma TGLS = 6-23 ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
		Infiltration Cellular	Histiocyte, Marked
[ Hepatocellular Carcinoma TGLS = 7-2 ]			
Lymph Node	Inguinal	Pigmentation	Mild
[ Pigmentation TGLS = 1-8 ]			
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 102	<b>TRT#:</b> 3 <b>DOSE:</b> 250 MG/L	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 555 <b>HISTO:</b> 96598
-----------------------	---	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach [ Hyperplasia TGLS = 9-24 ]	Epithelium	Hyperplasia	Squamous, Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

---

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma  
CONTRIBUTORY CAUSE OF DEATH - Intestine Small;Jejunum Lymphoma Malignant

---

Animal Note: METASTATIC HEPATOCELLULAR CARCINOMA IS ALSO IN MEDIASTINAL TISSUE ON SLIDE 3.

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 103

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96599

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* 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
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

INSUFFICIENT TISSUE

\* Lymph Node, Mesenteric

OBSERVATIONS

* Kidney	Cyst	Moderate
* Liver	Eosinophilic Focus	
[ Eosinophilic Focus TGLS = 1-6 ]		
* Lung	Alveolar/Bronchiolar Adenoma	
	Alveolar/Bronchiolar Carcinoma	
	Infiltration Cellular	Histiocyte, Moderate
[ Alveolar/Bronchiolar Adenoma TGLS = 2-21 ]		
[ Alveolar/Bronchiolar Carcinoma TGLS = 3-22 ]		
* Lymph Node, Mandibular	Hyperplasia	Lymphoid, Mild
* Thymus	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 104

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96600

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[ Hepatocellular Adenoma TGLS = 4-6,5-24 ]		
	[ Hepatocellular Carcinoma TGLS = 1-21 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
Mesentery	Fat	Necrosis	Marked
	[ Necrosis TGLS = 3-23 ]		
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Chronic, Mild
* Skin	Epidermis	Hyperplasia	Mild
		Ulcer	Moderate
	[ Hyperplasia TGLS = 2-22 ]		
	[ Ulcer TGLS = 2-22 ]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:13

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

**Lab:** SRI

---

**ANIMAL ID:** 104

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 250 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96600

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 105

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96601

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia Hypertrophy Nephropathy Clear Cell Focus Eosinophilic Focus Hepatoblastoma Hepatocellular Adenoma Hepatocellular Carcinoma	Mild Focal, Minimal Minimal  Multiple Multiple
* Kidney			
* Liver			
Note: THE HEPATOCELLULAR ADENOMAS AND THE HEPATOBLASTOMA ARE ON SLIDE 6. [ Hepatocellular Carcinoma TGLS = 1-21 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
[ Alveolar/Bronchiolar Carcinoma TGLS = 2-2 ]			
* Preputial Gland	Duct	Ectasia Inflammation	Marked Chronic, Minimal
* Prostate			
[ Inflammation TGLS = 3-7 ]			
* Salivary Glands		Hyperplasia Inflammation	Lymphoid, Moderate Chronic, Mild
* Urinary Bladder			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 106

TRT#: 3

SEX: Male

DAY ON TEST: 640

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 96602

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* 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
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

\* Lymph Node, Mandibular

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
	[ Eosinophilic Focus TGLS = 4-24,5-25 ]		
	[ Hepatocellular Adenoma TGLS = 1-21 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Marked
	Note: THE ALVEOLAR/BRONCHIOLAR CARCINOMA IS ON SLIDES 2 AND 23.		
	[ Alveolar/Bronchiolar Carcinoma TGLS = 2-23 ]		
* Lymph Node, Mesenteric		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Ectasia	Moderate
* Seminal Vesicle		Degeneration	Moderate
	[ Degeneration TGLS = 3-28 ]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Squamous Cell Papilloma	Multiple
	Note: SQUAMOUS CELL PAPILLOMAS ARE ON SLIDES 4 AND 27.		
	[ Squamous Cell Papilloma TGLS = 7-27 ]		
* Thymus		Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 106

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 640

**DOSE:** 250 MG/L

**DISP:** Moribund Sacrifice

**HISTO:** 96602

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thyroid Gland

Follicle

Degeneration

Focal, Moderate

\* Urin Bladder

Note: INFUSION ARTIFACT IN URINARY BLADDER.

---

**PRIMARY CAUSE OF DEATH**

- Lung Alveolar/Bronchiolar Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 109

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96605

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Heart
* 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	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Bone Marrow		Hyperplasia	Marked
* Harderian Gland		Adenoma	
[ Adenoma TGLS = 6-12 ]			
* Kidney		Cyst	Moderate
		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	
		Mixed Cell Focus	
Lymph Node	Iliac	Hematopoietic Cell Proliferation	Mild
	Iliac	Hyperplasia	Lymphoid, Mild
[ Hematopoietic Cell Proliferation TGLS = 4-21 ]			
[ Hyperplasia TGLS = 4-21 ]			
* Preputial Gland	Duct	Ectasia	Moderate
* Skin	Epidermis	Hyperplasia	Mild
		Ulcer	Moderate
[ Hyperplasia TGLS = 5-22 ]			
[ Ulcer TGLS = 5-22 ]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 2-6 ]			
* Thymus		Atrophy	Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:13

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

**Lab:** SRI

---

**ANIMAL ID:** 109

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 250 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96605

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thyroid Gland

Follicle

Degeneration

Focal, Moderate

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 111

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96607

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[ Hepatocellular Adenoma TGLS = 2-6-1,UPLA,UPLB ]		
	[ Hepatocellular Carcinoma TGLS = 1-21,2-6-1 ]		
* Lung		Hemorrhage	Mild
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic, Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 114

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96610

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Hepatocyte	Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Vacuolization Cytoplasmic	Mild
	[ Clear Cell Focus TGLS = 3-6 ]		
	[ Hepatocellular Adenoma TGLS = 4-23 ]		
	[ Hepatocellular Carcinoma TGLS = 1-21 ]		
Mesentery	Fat	Necrosis	Moderate
Note: MESENTERIC LESION ON SLIDE 22 INCLUDES MARKED GRANULOMATOUS INFLAMMATION; NOT TABULATED.			
		[ Necrosis TGLS = 2-22 ]	
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 116

TRT#: 3

SEX: Male

DAY ON TEST: 706

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 96612

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Epididymis
* Esophagus	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

\* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum	* Intestine Small, Jejunum
-----------------------------	----------------------------

OBSERVATIONS

* Bone Marrow		Histiocytic Sarcoma	
* Brain		Hemorrhage	Minimal
* Eye		Hemorrhage	Moderate
* Heart		Mineralization	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
	Renal Tubule	Cyst	Moderate
		Dilatation	Diffuse, Mild
		Histiocytic Sarcoma	
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Histiocytic Sarcoma	
		[ Hepatocellular Adenoma TGLS = 7-6 ]	
		[ Histiocytic Sarcoma TGLS = 7-6 ]	
* Lung		Histiocytic Sarcoma	
		[ Histiocytic Sarcoma TGLS = 10-2 ]	
Lymph Node	Iliac	Histiocytic Sarcoma	
	Mediastinal	Histiocytic Sarcoma	
	Pancreatic	Histiocytic Sarcoma	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 116

TRT#: 3

SEX: Male

DAY ON TEST: 706

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 96612

ORGAN AND ACCOUNTABLE SITE STATUS

	Renal	Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 3-7 ]			
[ Histiocytic Sarcoma TGLS = 8-3 ]			
[ Histiocytic Sarcoma TGLS = 9-23 ]			
[ Histiocytic Sarcoma TGLS = 11-24 ]			
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 6-25 ]			
Mesentery	Fat	Necrosis	Moderate
Note: FAT NECROSIS ON SLIDE 22 INCLUDES ADHESIONS BETWEEN MESENTERY, PANCREAS, AND ABDOMINAL WALL.			
[ Necrosis TGLS = 4-21,5-22 ]			
* Preputial Gland	Duct	Ectasia	Mild
* Skin		Edema	Moderate
* Spleen		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 1-6 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Inflammation	Chronic, Mild
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Liver	Histiocytic Sarcoma	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 118

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96614

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
	Capsule	Hyperplasia	Mild
* Harderian Gland		Hyperplasia	Focal, Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
	[ Hepatocellular Carcinoma TGLS = 2-21,3-22 ]		
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Mild
	[ Ectasia TGLS = 1-8 ]		
	[ Inflammation TGLS = 1-8 ]		
* Stomach, Glandular	Glands	Hyperplasia	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 119

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96615

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Moderate
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[ Hepatocellular Adenoma TGLS = 2-6 ]		
	[ Hepatocellular Carcinoma TGLS = 2-6 ]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 1-7 ]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Preputial Gland	Duct	Ectasia	Marked
* Spleen	Lymph Follic	Hyperplasia	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 120

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96616

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

INSUFFICIENT TISSUE

\* Thymus

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Intestine Large, Cecum		Carcinoma	
[ Carcinoma TGLS = 4-4,5-4 ]			
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Carcinoma	
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Note: HEPATOCELLULAR CARCINOMA IS ON SLIDES 6 AND 22.			
[ Hepatocellular Carcinoma TGLS = 6-22 ]			
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Mild
		Hemorrhage	Moderate
		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 3-21 ]			
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Moderate
[ Ectasia TGLS = 1-8 ]			
[ Inflammation TGLS = 1-8 ]			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 120	<b>TRT#:</b> 3 <b>DOSE:</b> 250 MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 731 <b>HISTO:</b> 96616
-----------------------	---	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia Ulcer	Squamous, Moderate Moderate
Note: FORESTOMACH LESIONS ARE ON SLIDE 4.			
* Testes	Germinal Epith	Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

---

PRIMARY CAUSE OF DEATH -

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

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: 96617

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

* Gallbladder	* Parathyroid Gland
---------------	---------------------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Intestine Small, Duodenum		Carcinoma	
[ Carcinoma TGLS = 8-25 ]			
* Islets, Pancreatic		Hyperplasia	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Infiltration Cellular	Mixed Cell, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[ Hepatocellular Adenoma TGLS = 2-22,3-23 ]			
[ Hepatocellular Carcinoma TGLS = 1-21,4-6 ]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
Mesentery	Fat	Necrosis	Moderate
Note: LESION ON SLIDE 24 INCLUDES FOCI OF NECROSIS SURROUNDED BY AREAS OF FIBROSIS AND CHRONIC ACTIVE INFLAMMATION.			
[ Necrosis TGLS = 7-24 ]			
* Preputial Gland	Duct	Ectasia	Mild
* Spleen		Accessory Spleen	
		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**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:** 96617

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Accessory Spleen TGLS = 5-26 ]

\* Thymus

Atrophy

Mild

\* Thyroid Gland

Follicular Cel

Hyperplasia

Moderate

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

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: 96618

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[ Clear Cell Focus TGLS = 4-6 ]		
	[ Hepatoblastoma TGLS = 3-22 ]		
	[ Hepatocellular Adenoma TGLS = 1-21 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Marked
	[ Alveolar/Bronchiolar Carcinoma TGLS = 2-2 ]		
* Preputial Gland	Duct	Ectasia	Marked
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 125

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96621

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Hyperplasia	Minimal
		Inflammation	Chronic, Moderate
		Nephropathy	Marked
[ Adenoma TGLS = 2-22 ]			
* Liver		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
Note: HEPATOCELLULAR ADENOMAS ARE ON SLIDES 6 AND 23.			
[ Eosinophilic Focus TGLS = 5-24,6-25 ]			
[ Hepatoblastoma TGLS = 1-21 ]			
[ Hepatocellular Adenoma TGLS = 4-23 ]			
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Moderate
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Squamous Cell Carcinoma	
[ Squamous Cell Carcinoma TGLS = 3-4 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 125

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 250 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96621

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thymus

Atrophy

Moderate

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 126

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

\* Thymus

OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 4-23 ]		
	[ Hepatocellular Carcinoma TGLS = 1-21,3-22 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Marked
	[ Alveolar/Bronchiolar Carcinoma TGLS = 2-2 ]		
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 5-24 ]		
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 126

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 250 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96622

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

---

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

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: 96623

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Depletion Cellular	Moderate
* Harderian Gland		Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
[ Basophilic Focus TGLS = 3-21 ]			
[ Eosinophilic Focus TGLS = 3-21 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic, Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicle	Degeneration	Focal, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 128

TRT#: 3

SEX: Male

DAY ON TEST: 694

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 96624

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Kidney	* Mammary Gland	Mesentery
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

\* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
---------------	--------------------------	-----------------------------	----------------------------

INSUFFICIENT TISSUE

\* Lymph Node, Mesenteric

OBSERVATIONS

* Islets, Pancreatic	Hyperplasia	Moderate
* Liver	Basophilic Focus	
	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
Note: EOSINOPHILIC FOCI ARE ON SLIDES 21 AND 24.		
	[ Eosinophilic Focus TGLS = 5-24 ]	
	[ Hepatocellular Adenoma TGLS = 1-6,2-21 ]	
	[ Hepatocellular Carcinoma TGLS = 3-22 ]	
* Lung	Alveolar/Bronchiolar Carcinoma	
	Infiltration Cellular	Histiocyte, Marked
	[ Alveolar/Bronchiolar Carcinoma TGLS = 4-23 ]	
* Preputial Gland	Inflammation	Chronic, Mild
* Thymus	Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:13

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

**Lab:** SRI

---

**ANIMAL ID:** 128

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 694

**DOSE:** 250 MG/L

**DISP:** Natural Death

**HISTO:** 96624

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thyroid Gland

Follicle

Degeneration

Focal, Moderate

---

PRIMARY CAUSE OF DEATH

- Lung Alveolar/Bronchiolar Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 129

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96625

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* 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
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Moderate
		Infarct	
		Metaplasia	Osseous, Mild
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[ Eosinophilic Focus TGLS = 6-24, 3-21 ]		
	[ Hepatocellular Adenoma TGLS = 1-6,2-6,4-22 ]		
	[ Mixed Cell Focus TGLS = 5-23 ]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Marked
* Parathyroid Gland		Cyst	Moderate
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Chronic, Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Urinary Bladder		Edema	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 131

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96627

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Gallbladder	* Heart	* 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	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	Skeletal Muscle	Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Marked
* Eye	Cornea	Hyperplasia	Moderate
		Inflammation	Chronic, Moderate
* Harderian Gland		Adenoma	
[ Adenoma TGLS = 5-12 ]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	Moderate
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
		Necrosis	Focal, Minimal
Note: HEPATOCELLULAR ADENOMA IS ON SLIDE 6.			
[ Hepatocellular Adenoma TGLS = 4-21 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Marked
[ Hyperplasia TGLS = 3-8 ]			
Peripheral Nerve		Atrophy	Mild
* Preputial Gland	Duct	Ectasia	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 131	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 250 MG/L	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 96627

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Ectasia TGLS = 2-8 ]			
* Skin		Ulcer	Marked
[ Ulcer TGLS = 1-22 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 132

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96628

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Gallbladder	* Thymus
---------------	----------

OBSERVATIONS

* Bone Marrow	Hyperplasia	Mild
	Mast Cell Tumor Malignant	
	Adenoma	
* Harderian Gland		
[ Adenoma TGLS = 8-12 ]		
* Islets, Pancreatic	Hyperplasia	Mild
* Kidney	Mast Cell Tumor Malignant	
	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Eosinophilic Focus	
	Hepatocellular Adenoma	
	Hepatocellular Carcinoma	
	Mast Cell Tumor Malignant	

Note: HEPATOCELLULAR CARCINOMA IS ON SLIDES 6 AND 21.

    [ Basophilic Focus TGLS = 10-29 ]

    [ Eosinophilic Focus TGLS = 11-30 ]

    [ Hepatocellular Adenoma TGLS = 9-28 ]

    [ Hepatocellular Carcinoma TGLS = 1-21 ]

* Lung		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 132	<b>TRT#:</b> 3 <b>DOSE:</b> 250 MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b> 96628
-----------------------	---	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Preputial Gland	Duct	Ectasia Inflammation	Moderate Chronic, Mild
* Skin	Epidermis	Hyperplasia Mast Cell Tumor Malignant Ulcer	Marked Moderate
	[ Hyperplasia TGLS = 6-26,7-27 ] [ Mast Cell Tumor Malignant TGLS = 2-22,3-23 ] [ Ulcer TGLS = 6-26,7-27 ]		
* Spleen		Hematopoietic Cell Proliferation Mast Cell Tumor Malignant	Minimal
	[ Mast Cell Tumor Malignant TGLS = 4-24 ]		
* Thyroid Gland	Follicle Follicular Cel	Degeneration Hyperplasia	Focal, Minimal Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 607

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 96629

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Jejunum
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Intestine Small, Duodenum	* Lymph Node, Mandibular	* Parathyroid Gland
-----------------------------	--------------------------	---------------------

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Small, Ileum	* Lymph Node, Mesenteric
---------------	--------------------------	--------------------------

INSUFFICIENT TISSUE

* Harderian Gland	* Thymus
-------------------	----------

OBSERVATIONS

* Bone Marrow	Hyperplasia	Marked
* Islets, Pancreatic	Hyperplasia	Mild
* Kidney	Metaplasia	Osseous, Moderate
	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Eosinophilic Focus	
	Hepatocellular Adenoma	

Note: EOSINOPHILIC FOCI ARE ON SLIDES 6 AND 21.

[ Basophilic Focus TGLS = 5-21 ]

[ Eosinophilic Focus TGLS = 3-6 ]

[ Hepatocellular Adenoma TGLS = 4-6 ]

* Lung		Hemorrhage	Minimal
* Preputial Gland	Duct	Ectasia	Moderate
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Squamous Cell Carcinoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 133

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 607

**DOSE:** 500 MG/L

**DISP:** Natural Death

**HISTO:** 96629

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Squamous Cell Carcinoma TGLS = 1-22 ]

\* Stomach, Glandular

Squamous Cell Carcinoma

Metastatic (Stomach, Forestomach)

\* Thyroid Gland

Follicle

Degeneration

Focal, Mild

\* Urin Bladder

Note: INFUSION ARTIFACT IN URINARY BLADDER.

---

**PRIMARY CAUSE OF DEATH**

- Stomach, Forestomach Squamous Cell Carcinoma

---

Animal Note: THE FORESTOMACH AND GLANDULAR STOMACH ARE ON SLIDE 22.

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96632

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mesenteric	* Pituitary Gland
--------------------------	-------------------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	Moderate
	Renal Tubule	Pigmentation	Marked
* Liver		Basophilic Focus	
		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: HEPATOCELLULAR ADENOMAS ARE ON SLIDES 6 AND 21.			
		[ Hepatoblastoma TGLS = 3-21 ]	
		[ Hepatocellular Adenoma TGLS = 3-21 ]	
		[ Hepatocellular Carcinoma TGLS = 3-21 ]	
* Lung		Alveolar/Bronchiolar Carcinoma	
		Hepatoblastoma	Metastatic (Liver)
	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Moderate
		[ Alveolar/Bronchiolar Carcinoma TGLS = 4-2 ]	
		[ Hepatoblastoma TGLS = 4-2 ]	
* Preputial Gland	Duct	Ectasia	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 136

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 734

**DOSE:** 500 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96632

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Ectasia TGLS = 2-8 ]

[ Inflammation TGLS = 2-8 ]

\* Spleen

\* Thymus

Inflammation

Chronic, Mild

Hematopoietic Cell Proliferation

Marked

Atrophy

Moderate

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96633

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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	* Mammary Gland
* Nose	* Pancreas	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Kidney		Cyst	Moderate
	Renal Tubule	Pigmentation	Moderate
* Liver		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[ Hepatocellular Carcinoma TGLS = 3-6, UPLA, UPLB ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
		Note: METASTATIC TUMOR IN LUNG IS APPEARS TO BE ANAPLASTIC HEPATOCELLULAR CARCINOMA OR POSSIBLY HEPATOBLASTOMA; HEPATOBLASTOMA NOT SEEN IN LIVER.	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Marked
	[ Necrosis TGLS = 2-21 ]		
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Mild
	[ Ectasia TGLS = 1-8 ]		
	[ Inflammation TGLS = 1-8 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 692

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 96635

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Metaplasia	Osseous, Mild
	Renal Tubule	Pigmentation	Moderate
* Liver		Basophilic Focus	
		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	Multiple
Note: HEPATOCELLULAR ADENOMAS AND BASOPHILIC FOCI ARE ON SLIDES 6 AND 25. [ Hepatoblastoma TGLS = 2-21,3-22 ] [ Hepatocellular Adenoma TGLS = 7-25 ]			
* Preputial Gland	Duct	Ectasia	Marked
		[ Ectasia TGLS = 1-8 ]	
* Skin	Subcut Tiss	Histiocytic Sarcoma	
		[ Histiocytic Sarcoma TGLS = 5-23 ]	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
		[ Squamous Cell Papilloma TGLS = 6-24 ]	
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96637

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

\* Thymus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Cyst	Moderate
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Moderate
* Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
		Mixed Cell Focus	
		[ Hepatoblastoma TGLS = 3-23 ]	
		[ Hepatocellular Carcinoma TGLS = 1-21,2-22,4-24, 5-6 ]	
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Mild
		Hemorrhage	Minimal
		[ Hematopoietic Cell Proliferation TGLS = 6-5 ]	
		[ Hemorrhage TGLS = 6-5 ]	
* Preputial Gland	Duct	Ectasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Glandular	Glands	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 691

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 96638

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Testes	* Thyroid Gland	* Trachea	

MISSING

\* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Stomach, Forestomach	* Stomach, Glandular

INSUFFICIENT TISSUE

\* Bone Marrow                      \* Islets, Pancreatic

OBSERVATIONS

* Kidney		Cyst	Moderate
	Renal Tubule	Pigmentation	Moderate
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
Note: LESION ON SLIDE 21 PARTIALLY OBSCURED BY AUTOLYTIC CHANGE.			
[ Hepatoblastoma TGLS = 2-22 ]			
[ Hepatocellular Carcinoma TGLS = 1-21 ]			
* Lung		Hepatoblastoma	Metastatic (Liver)
* Preputial Gland	Duct	Ectasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Moderate
* Urinary Bladder		Edema	Moderate

PRIMARY CAUSE OF DEATH

- Liver Hepatoblastoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96640

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Prostate	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Lymphoma Malignant	
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Carcinoma	
		Cyst	Moderate
		Lymphoma Malignant	
	Renal Tubule	Pigmentation	Mild
[ Carcinoma TGLS = 4-22 ]			
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
[ Hepatoblastoma TGLS = 5-23 ]			
[ Hepatocellular Adenoma TGLS = 7-24,8-25 ]			
* Lung		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 6-2 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Preputial Gland	Duct	Ectasia	Moderate
		Lymphoma Malignant	
[ Ectasia TGLS = 1-8 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 144	<b>TRT#:</b> 5 <b>DOSE:</b> 500 MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 731 <b>HISTO:</b> 96640
-----------------------	---	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Salivary Glands		Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant	
	[ Hematopoietic Cell Proliferation TGLS = 2-21 ]		
	[ Lymphoma Malignant TGLS = 2-21,3-21 ]		
* Thymus		Lymphoma Malignant	
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Urinary Bladder		Lymphoma Malignant	

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96641

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

INSUFFICIENT TISSUE

\* Lymph Node, Mesenteric

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Marked
	[ Hepatocellular Adenoma TGLS = 1-6 ]		
	[ Hepatocellular Carcinoma TGLS = 1-6 ]		
* Preputial Gland	Duct	Ectasia	Moderate
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96642

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

\* Intestine Small, Ileum

OBSERVATIONS

* Eye [ Atrophy TGLS = 4-24 ]		Atrophy	Marked
* Harderian Gland [ Adenoma TGLS = 5-12 ]		Adenoma	
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCELLULAR CARCINOMAS ARE ON SLIDES 6 AND 21. [ Hepatocellular Carcinoma TGLS = 1-21 ]			
* Lung		Infiltration Cellular	Histiocyte, Marked
Note: MOST OF THE HISTIOCYTES IN LUNG CONTAIN HEMOSIDERIN-LIKE PIGMENT.			
Mesentery [ Necrosis TGLS = 3-23 ]	Fat	Necrosis	Moderate
* Preputial Gland	Duct	Ectasia	Mild
Skeletal Muscle [ Granular Cell Tumor Benign TGLS = 2-22 ]		Granular Cell Tumor Benign	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 146	<b>TRT#:</b> 5 <b>DOSE:</b> 500 MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b> 96642
-----------------------	---	---	--

---

<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal

---

<b>PRIMARY CAUSE OF DEATH</b>	-		
-------------------------------	---	--	--

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 688

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 96643

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

\* Parathyroid Gland

AUTO PRECLUDES DIAG.

\* Intestine Small, Jejunum

INSUFFICIENT TISSUE

\* Bone Marrow

OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Mild
		Cyst	Moderate
		Infarct	
	Renal Tubule	Pigmentation	Moderate
* Liver		Eosinophilic Focus	
		Hepatoblastoma	Multiple
		Hepatocellular Carcinoma	
		[ Hepatoblastoma TGLS = 1-21 ]	
		[ Hepatocellular Carcinoma TGLS = 5-22 ]	
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
		[ Hematopoietic Cell Proliferation TGLS = 3-6 ]	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 147

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 688

**DOSE:** 500 MG/L

**DISP:** Natural Death

**HISTO:** 96643

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thymus

Atrophy

Moderate

---

PRIMARY CAUSE OF DEATH

- Liver Hepatoblastoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 674

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 96644

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Testes
* Trachea	* Urinary Bladder		

INSUFFICIENT TISSUE

\* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Gallbladder			
Note: GALLBLADDER IS ON SLIDE 21.			
* Harderian Gland		Adenoma	
* Liver		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Centrilobular	Necrosis	Mild
[ Hemangiosarcoma TGLS = 1-21 ]			
[ Hepatocellular Adenoma TGLS = 7-6,12-26 ]			
[ Hepatocellular Carcinoma TGLS = 6-21 ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node	Iliac	Pigmentation	Moderate
Mesentery	Fat	Necrosis	Moderate
Note: ADHESIONS BETWEEN CECUM, STOMACH, AND THE AREA OF MESENTERIC FAT NECROSIS.			
[ Necrosis TGLS = 10-24 ]			
* Preputial Gland	Duct	Ectasia	Marked
[ Ectasia TGLS = 5-8 ]			
* Skin		Edema	Marked

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 148	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 674
	<b>DOSE:</b> 500 MG/L	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 96644

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Edema TGLS = 8-22 ]			
* Spleen	Lymph Follic	Atrophy Hematopoietic Cell Proliferation	Moderate Marked
[ Hematopoietic Cell Proliferation TGLS = 1-6 ]			
* Stomach, Glandular		Erosion	Mild
[ Erosion TGLS = 11-25 ]			
* Thymus		Atrophy Cyst	Moderate Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
PRIMARY CAUSE OF DEATH	- Liver Hepatocellular Carcinoma		

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 225

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 96646

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	

**MISSING**

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

**INSUFFICIENT TISSUE**

\* Lymph Node, Mesenteric

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Urinary Bladder	Transit Epithe	Hyperplasia	Moderate
		Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 151

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96647

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Intestine Small, Jejunum		Hyperplasia	Lymphoid, Mild
	Peyers Patch	Inflammation	Suppurative, Mild
* Kidney		Cyst	Moderate
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
Note: HEPATOCELLULAR ADENOMAS ARE PRESENT ON SLIDES 6, 21, AND 22.			
			[ Hepatocellular Adenoma TGLS = 2-21 ]
			[ Mixed Cell Focus TGLS = 3-22 ]
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic, Mild
			[ Ectasia TGLS = 1-8 ]
			[ Inflammation TGLS = 1-8 ]
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 152

TRT#: 5

SEX: Male

DAY ON TEST: 469

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 96648

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * 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, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Preputial Gland           | * Prostate               | * Salivary Glands          |
| * Seminal Vesicle         | * Skin                      | Spinal Cord              | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Testes                    | * Thyroid Gland          | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

MISSING

- \* Thymus

INSUFFICIENT TISSUE

- Peripheral Nerve

OBSERVATIONS

- |  |                                  |          |
|--|----------------------------------|----------|
| * Bone Marrow                            | Hyperplasia                      | Moderate |
| * Kidney                                 | Nephropathy                      | Minimal  |
| * Liver                                  | Basophilic Focus                 |          |
|  | Hepatocellular Adenoma           |          |
|  | Hepatocellular Carcinoma         |          |
| [ Basophilic Focus TGLS = 2-6 ]          |                                  |          |
| [ Hepatocellular Adenoma TGLS = 2-6 ]    |                                  |          |
| [ Hepatocellular Carcinoma TGLS = 1-21 ] |                                  |          |
| * Spleen                                 | Hematopoietic Cell Proliferation | Mild     |

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

Animal Note: PERIARTERITIS IS EVIDENT ON SLIDE 10; NOT TABULATED AS BLOOD VESSEL IS NOT A PROTOCOL-REQUIRED TISSUE.

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 155

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96651

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Esophagus			
Note: THE ESOPHAGUS IS ON SLIDE 2.			
* Kidney		Cyst	Moderate
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Moderate
* Liver		Basophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[ Hepatoblastoma TGLS = 3-23 ]			
[ Hepatocellular Adenoma TGLS = 2-22, UPL ]			
* Lung		Hepatoblastoma	Metastatic (Liver)
* Preputial Gland		Inflammation	Chronic, Mild
* Skin	Epidermis	Hyperplasia	Marked
		Ulcer	Marked
[ Hyperplasia TGLS = 1-21 ]			
[ Ulcer TGLS = 1-21 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 155

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 734

**DOSE:** 500 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96651

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Stomach, Forestomach

Dysplasia

Mild

Note: DYSPLASIA IS AT JUNCTION OF FORESTOMACH AND GLANDULAR STOMACH.

\* Thymus

Atrophy

Moderate

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 156

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96652

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Gallbladder	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
	Capsule	Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Eye	Cornea	Hyperplasia	Mild
		Inflammation	Chronic, Moderate
* Harderian Gland		Adenoma	
	[ Adenoma TGLS = 5-12 ]		
* Kidney		Cyst	Moderate
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
	[ Hepatocellular Adenoma TGLS = 1-21 ]	Hepatocellular Carcinoma	Multiple
	[ Hepatocellular Carcinoma TGLS = 1-21,2-6 ]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Preputial Gland	Duct	Ectasia	Mild
* Skin	Epidermis	Hyperplasia	Mild
	Sebaceous GI	Hyperplasia	Moderate
		Ulcer	Marked
	[ Hyperplasia TGLS = 3-22 ]		
	[ Hyperplasia TGLS = 4-23 ]		
	[ Ulcer TGLS = 3-22 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:13

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

**Lab:** SRI

---

**ANIMAL ID:** 156

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 500 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96652

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thyroid Gland

Follicular Cel

Hyperplasia

Mild

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

<b>ANIMAL ID:</b> 157	<b>TRT#:</b> 5 <b>DOSE:</b> 500 MG/L	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 462 <b>HISTO:</b> 96653
-----------------------	---	---	--

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Intestine Large, Colon [ Ulcer TGLS = 4-22 ]		Ulcer	Marked
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney [ Nephropathy TGLS = 6-5 ]		Nephropathy	Moderate
* Liver [ Hepatocellular Adenoma TGLS = 2-6 ] [ Vacuolization Cytoplasmic TGLS = 5-6 ]	Hepatocyte	Basophilic Focus Hepatocellular Adenoma Vacuolization Cytoplasmic	Marked
* Lymph Node, Mesenteric		Ectasia	Moderate
Mesentery [ Necrosis TGLS = 1-21,3-5 ]	Fat	Hyperplasia Necrosis	Lymphoid, Moderate Marked
* Spleen	Lymph Follic	Atrophy	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Moderate
* Stomach, Glandular [ Erosion TGLS = 10-23 ]		Erosion	Mild
* Thymus		Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:13

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

**Lab:** SRI

---

**ANIMAL ID:** 157

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 462

**DOSE:** 500 MG/L

**DISP:** Moribund Sacrifice

**HISTO:** 96653

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**PRIMARY CAUSE OF DEATH**

- Mesentery Fat Necrosis

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 158

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96654

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* 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
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Peripheral Nerve	* Pituitary Gland	* Prostate	* Seminal Vesicle
* Skin	Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Harderian Gland		Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Kidney		Inflammation	Chronic, Mild
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[ Hepatocellular Adenoma TGLS = 1-6, UPLB ]			
[ Mixed Cell Focus TGLS = UPLC ]			
* Preputial Gland	Duct	Ectasia	Moderate
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 159

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96655

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* 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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

\* Thymus

OBSERVATIONS

* Harderian Gland		Adenoma	
[ Adenoma TGLS = 5-12 ]			
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Note: HEPATOCELLULAR CARCINOMAS ARE PRESENT ON SLIDES 6, 21, 22, AND 23.			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Germinal Epith	Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 160

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96656

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* 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	* 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

\* Bone Marrow

OBSERVATIONS

* Bone	Cranium	Osteopetrosis	Moderate
[ Osteopetrosis TGLS = 3-21 ]			
* Heart		Inflammation	Chronic, Minimal
* Kidney		Infarct	
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hepatocellular Carcinoma	
[ Hepatocellular Adenoma TGLS = 1-6 ]		Vacuolization Cytoplasmic	Moderate
[ Hepatocellular Carcinoma TGLS = 1-6 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Mild
[ Alveolar/Bronchiolar Carcinoma TGLS = 2-2 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 161

TRT#: 5

SEX: Male

DAY ON TEST: 699

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 96657

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Marked
* Liver		Hepatocellular Carcinoma	Multiple
[ Hepatocellular Carcinoma TGLS = 1-21,2-22,3-23,UPL ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
[ Hepatocellular Carcinoma TGLS = 5-2 ]		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Atrophy	Mild
		Hematopoietic Cell Proliferation	Mild
* Lymph Node, Mesenteric		Atrophy	Moderate
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic, Moderate
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Moderate
* Testes	Germinal Epith	Atrophy	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 162

TRT#: 5

SEX: Male

DAY ON TEST: 699

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 96658

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Harderian Gland		Hyperplasia	Focal, Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Renal Tubule	Pigmentation	Moderate
* Liver		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	Centrilobular	Necrosis	Mild
Note: HEPATOBLASTOMA ON SLIDE 22 IS ADHERED TO ABDOMINAL WALL. HEPATOCELLULAR ADENOMAS ARE ON SLIDE 6.			
[ Hepatoblastoma TGLS = 5-22 ]			
[ Hepatocellular Carcinoma TGLS = 3-21 ]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
	Mediastinal	Pigmentation	Mild
Mesentery		Hepatoblastoma	Metastatic (Liver)
* Preputial Gland	Duct	Ectasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 162

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 699

**DOSE:** 500 MG/L

**DISP:** Moribund Sacrifice

**HISTO:** 96658

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hematopoietic Cell Proliferation TGLS = 6-6 ]

\* Stomach, Glandular

Erosion

Minimal

\* Thymus

Atrophy

Moderate

---

PRIMARY CAUSE OF DEATH

- Liver Hepatoblastoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

---

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 163

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96659

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Hyperplasia	Lymphoid, Marked
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[ Hepatoblastoma TGLS = 3-6 ]			
[ Hepatocellular Adenoma TGLS = 3-6 ]			
[ Hepatocellular Carcinoma TGLS = 3-6 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Mild
[ Ectasia TGLS = 1-8 ]			
[ Inflammation TGLS = 1-8 ]			
* Salivary Glands		Hyperplasia	Lymphoid, Moderate
* Spleen		Hemangiosarcoma	
	Lymph Follic	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 163

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 500 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96659

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hemangiosarcoma TGLS = 2-6 ]

[ Hyperplasia TGLS = 2-6 ]

\* Thyroid Gland

Follicular Cel

Adenoma

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 165

TRT#: 5

SEX: Male

DAY ON TEST: 722

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 96661

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Eye	* Gallbladder
* 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
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

\* Esophagus

OBSERVATIONS

* Harderian Gland		Inflammation	Chronic, Moderate
* Heart		Cardiomyopathy	Minimal
		Thrombosis	Marked
	[ Thrombosis TGLS = 4-12 ]		
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[ Hepatocellular Adenoma TGLS = 2-6,2-22,5-23 ]		
	[ Hepatocellular Carcinoma TGLS = 1-21,2-6,2-22 ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mandibular		Atrophy	Moderate
* Lymph Node, Mesenteric		Hemorrhage	Moderate
* Preputial Gland		Inflammation	Chronic, Moderate
* Spleen	Lymph Follic	Atrophy	Moderate
* Testes	Germinal Epith	Atrophy	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 166

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96662

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[ Hepatocellular Adenoma TGLS = 1-6 ]			
[ Hepatocellular Carcinoma TGLS = 1-6 ]			
* Parathyroid Gland		Cyst	Moderate
* Preputial Gland	Duct	Ectasia	Moderate
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 167

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96663

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Pigmentation	Minimal
* Liver		Clear Cell Focus	
		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCELLULAR ADENOMA IS ON SLIDE 23.			
[ Hepatoblastoma TGLS = 3-22,4-23 ]			
[ Hepatocellular Carcinoma TGLS = 3-22 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
[ Alveolar/Bronchiolar Carcinoma TGLS = 5-24 ]			
Peripheral Nerve		Atrophy	Mild
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic, Mild
Note: A PORTION OF PREPUTIAL GLAND IS PRESENT WITH THE ROUTINE SKIN SECTION ON SLIDE 8.			
* Skin	Epidermis	Hyperplasia	Marked
		Ulcer	Marked
[ Hyperplasia TGLS = 1-21 ]			
[ Ulcer TGLS = 1-21 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 167	<b>TRT#:</b> 5 <b>DOSE:</b> 500 MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b> 96663
-----------------------	---	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Spleen		Hemangiosarcoma Hematopoietic Cell Proliferation	Marked
[ Hemangiosarcoma TGLS = 2-6 ]			
[ Hematopoietic Cell Proliferation TGLS = 2-6 ]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle Follicular Cel	Degeneration Hyperplasia	Focal, Minimal Minimal

---

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 169

TRT#: 5

SEX: Male

DAY ON TEST: 650

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 96665

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Bone Marrow		Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Metaplasia	Osseous, Minimal
		Nephropathy	Moderate
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Necrosis	Focal, Mild
[ Hepatoblastoma TGLS = 4-21 ]			
[ Hepatocellular Adenoma TGLS = 5-6 ]			
[ Hepatocellular Carcinoma TGLS = 5-6 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
Note: HEPATOCELLULAR CARCINOMAS ARE PRESENT ON SLIDES 6 AND 21.			
[ Alveolar/Bronchiolar Adenoma TGLS = 6-2 ]			
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Moderate
[ Ectasia TGLS = 1-8 ]			
[ Inflammation TGLS = 1-8 ]			
* Spleen		Hematopoietic Cell Proliferation	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 169

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 650

**DOSE:** 500 MG/L

**DISP:** Moribund Sacrifice

**HISTO:** 96665

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hematopoietic Cell Proliferation TGLS = 3-6 ]

\* Stomach, Glandular

Ulcer

Moderate

\* Thymus

Atrophy

Moderate

Cyst

Moderate

---

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatoblastoma

---

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 171

TRT#: 5

SEX: Male

DAY ON TEST: 607

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 96667

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

\* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Hypertrophy	Focal, Minimal
* Bone Marrow		Hyperplasia	Moderate
* Harderian Gland		Carcinoma	
* Kidney		Inflammation	Chronic, Mild
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Moderate
* Liver		Eosinophilic Focus	
		Hemangiosarcoma	Multiple
		Hematopoietic Cell Proliferation	Moderate
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Infiltration Cellular	Mixed Cell, Marked
		Necrosis	Focal, Minimal

Note: HEPATOCELLULAR CARCINOMA IS ON SLIDE 21. HEMANGIOSARCOMA IS ON SLIDE 6. HEPATOCELLULAR ADENOMAS ARE ON SLIDES 6 AND 21.

[ Hemangiosarcoma TGLS = UPLB ]

[ Hepatoblastoma TGLS = 4-21 ]

[ Hepatocellular Adenoma TGLS = 5-6,UPLA,UPLB ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 171	<b>TRT#:</b> 5 <b>DOSE:</b> 500 MG/L	<b>SEX:</b> Male <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 607 <b>HISTO:</b> 96667
-----------------------	---	--	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Preputial Gland	Duct	Ectasia Inflammation	Mild Chronic, Mild
* Spleen		Hemangiosarcoma Hematopoietic Cell Proliferation	Marked
[ Hemangiosarcoma TGLS = 2-6 ]			
[ Hematopoietic Cell Proliferation TGLS = 2-6 ]			
* Thyroid Gland	Follicle	Degeneration	Focal, Mild

---

PRIMARY CAUSE OF DEATH	- Liver Hepatoblastoma
CONTRIBUTORY CAUSE OF DEATH	- Harderian Gland Carcinoma; Liver Hepatocellular Carcinoma; Spleen Hemangiosarcoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

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: 96668

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* 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
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

\* Gallbladder

INSUFFICIENT TISSUE

\* Lymph Node, Mandibular

OBSERVATIONS

* Harderian Gland		Adenoma	
[ Adenoma TGLS = 4-12 ]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Minimal
[ Nephropathy TGLS = 1-5 ]			
* Liver		Eosinophilic Focus	
		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Marked
Note: LIVER FOCI ARE ON SLIDE 26.			
[ Hepatoblastoma TGLS = 2-21,7-25 ]			
[ Hepatocellular Adenoma TGLS = 6-24,7-25,8-26 ]			
[ Hepatocellular Carcinoma TGLS = 2-21,3-22 ]			
* Lung		Alveolar/Bronchiolar Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 172	<b>TRT#:</b> 5 <b>DOSE:</b> 500 MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 731 <b>HISTO:</b> 96668
-----------------------	---	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Alveolar/Bronchiolar Adenoma TGLS = 5-23 ]		Hepatocellular Carcinoma	Metastatic (Liver)
* Preputial Gland	Duct	Ectasia Inflammation	Mild Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

---

PRIMARY CAUSE OF DEATH -

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 173

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96669

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
		Necrosis	Focal, Mild
		[ Eosinophilic Focus TGLS = 4-24,3-23 ]	
		[ Hepatocellular Carcinoma TGLS = 1-21,2-22 ]	
		[ Necrosis TGLS = 4-24 ]	
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Moderate
		Ulcer	Moderate
* Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 174

TRT#: 5

SEX: Male

DAY ON TEST: 711

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 96670

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

\* Intestine Small, Jejunum

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Harderian Gland		Hyperplasia	Focal, Moderate
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Infiltration Cellular	Mixed Cell, Mild
		Necrosis	Focal, Moderate
		[ Hepatoblastoma TGLS = 4-21 ]	
		[ Hepatocellular Adenoma TGLS = 4-6,UPL ]	
		[ Hepatocellular Carcinoma TGLS = 4-21 ]	
* Lung		Alveolar/Bronchiolar Adenoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Mild
		[ Ectasia TGLS = 1-8 ]	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:13

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

**Lab:** SRI

---

**ANIMAL ID:** 174

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 711

**DOSE:** 500 MG/L

**DISP:** Natural Death

**HISTO:** 96670

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Inflammation TGLS = 1-8 ]

\* Spleen

Hematopoietic Cell Proliferation

Marked

[ Hematopoietic Cell Proliferation TGLS = 2-6 ]

\* Stomach, Forestomach

Ulcer

Mild

\* Thymus

Atrophy

Moderate

---

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatoblastoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 176

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96672

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea		

INSUFFICIENT TISSUE

* Pituitary Gland	* Urinary Bladder
-------------------	-------------------

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Hepatoblastoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[ Hepatoblastoma TGLS = 1-21 ]		
	[ Hepatocellular Carcinoma TGLS = 1-6,1-21 ]		
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:13

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

**Lab:** SRI

**ANIMAL ID:** 177

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 590

**DOSE:** 500 MG/L

**DISP:** Natural Death

**HISTO:** 96673

**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, Jejunum | * Lung                   | * Mammary Gland           | * Nose                      |
| * Pancreas                 | * Pituitary Gland        | * Prostate                | * Salivary Glands           |
| * Seminal Vesicle          | * Stomach, Glandular     | * Testes                  | * Thyroid Gland             |
| * Trachea                  | * Urinary Bladder        |                           |                             |

**MISSING**

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

**AUTO PRECLUDES DIAG.**

- |               |                          |                          |
|---------------|--------------------------|--------------------------|
| * Gallbladder | * Intestine Small, Ileum | * Lymph Node, Mesenteric |
|---------------|--------------------------|--------------------------|

**OBSERVATIONS**

- |                      |                        |                  |
|----------------------|------------------------|------------------|
| * Bone Marrow        | Hyperplasia            | Moderate         |
| * Heart              | Inflammation           | Chronic, Minimal |
| * Islets, Pancreatic | Hyperplasia            | Moderate         |
| * Kidney             | Glomerulosclerosis     | Moderate         |
| * Liver              | Hemangiosarcoma        |                  |
|                      | Hepatocellular Adenoma |                  |
|                      | Necrosis               | Focal, Moderate  |

Note: HEMANGIOSARCOMA IS PRESENT ON SLIDES 6 AND 21.

Note: THE HEPATOCELLULAR ADENOMA IS NOT CLEARLY DEMARCATED FROM THE NONNEOPLASTIC LIVER TISSUE.

[ Hemangiosarcoma TGLS = 5-21 ]

[ Hepatocellular Adenoma TGLS = 4-6 ]

[ Necrosis TGLS = 4-6 ]

- |                   |   |                                  |          |
|-------------------|---|----------------------------------|----------|
| * Preputial Gland | Duct  | Ectasia                          | Mild     |
| * Skin            |   | Edema                            | Moderate |
|                   | [ Edema TGLS = 1-8 ]                            |                                  |          |
| * Spleen          |   | Hematopoietic Cell Proliferation | Moderate |
|                   | Lymph Follic                                    | Hyperplasia                      | Moderate |
|                   | [ Hematopoietic Cell Proliferation TGLS = 2-6 ] |                                  |          |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 177

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 590

**DOSE:** 500 MG/L

**DISP:** Natural Death

**HISTO:** 96673

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLS = 2-6 ]

\* Stomach, Forestomach

Epithelium

Hyperplasia

Squamous, Minimal

\* Thymus

Atrophy

Moderate

---

PRIMARY CAUSE OF DEATH

- Liver Hemangiosarcoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 178

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96674

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

\* Thymus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Hemangiosarcoma	
* Liver		Hemangiosarcoma	
		Hepatocellular Carcinoma	Multiple
	[ Hepatocellular Carcinoma TGLS = 9-25,10-26 ]		
* Lung		Hemangiosarcoma	
	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
	[ Hemangiosarcoma TGLS = 6-2 ]		
Lymph Node	Iliac	Hematopoietic Cell Proliferation	Mild
	[ Hematopoietic Cell Proliferation TGLS = 7-24 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 4-22,5-23 ]		
* Preputial Gland	Duct	Ectasia	Moderate
* Skin		Edema	Moderate
	[ Edema TGLS = 2-21 ]		
* Spleen		Hematopoietic Cell Proliferation	Marked
	[ Hematopoietic Cell Proliferation TGLS = 3-6 ]		
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:13

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

**Lab:** SRI

---

**ANIMAL ID:** 178

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 734

**DOSE:** 500 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96674

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 179

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96675

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Thymus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Note: HEPATOCELLULAR ADENOMAS ARE ON SLIDES 6 AND 21. HEPATOBLASTOMA IS ON SLIDE 6.			
		[ Hepatocellular Adenoma TGLS = 3-21 ]	
		[ Hepatocellular Carcinoma TGLS = 3-21 ]	
* Skin		Squamous Cell Papilloma	
		[ Squamous Cell Papilloma TGLS = 1-22 ]	
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 180

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96676

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

* Gallbladder	* Thymus
---------------	----------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Harderian Gland		Adenoma	
* Islets, Pancreatic		Hyperplasia	Mild
* Liver		Eosinophilic Focus	
		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[ Hepatoblastoma TGLS = 3-22,5-6 ]			
[ Hepatocellular Adenoma TGLS = 2-6 ]			
[ Hepatocellular Carcinoma TGLS = 1-21,4-23,3-22 ]			
* Preputial Gland	Duct	Ectasia	Moderate
* Skin		Mast Cell Tumor Benign	
Note: MAST CELL TUMOR IS WITH REGULAR SKIN SECTION ON SLIDE 8. LESION IS POSITIVE FOR MAST CELLS WITH METACHROMATIC STAIN.			
* Thyroid Gland	Follicle	Cyst	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 181

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96677

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Gallbladder	* Thymus
---------------	----------

INSUFFICIENT TISSUE

* Islets, Pancreatic
----------------------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Inflammation	Chronic, Mild
		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Minimal
* Liver		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	Hepatocyte	Vacuolization Cytoplasmic	Marked
	[ Hepatoblastoma TGLS = 2-21 ]		
	[ Hepatocellular Adenoma TGLS = 1-6 ]		
	[ Hepatocellular Carcinoma TGLS = 1-6 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
	[ Alveolar/Bronchiolar Adenoma TGLS = 4-22 ]		
	[ Alveolar/Bronchiolar Carcinoma TGLS = 3-2 ]		
* Pituitary Gland	Pars Distalis	Cyst	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 181	<b>TRT#:</b> 5 <b>DOSE:</b> 500 MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 731 <b>HISTO:</b> 96677
-----------------------	---	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Preputial Gland	Duct	Ectasia Inflammation	Moderate Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 183

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96679

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland	* Thymus
---------------------	----------

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Harderian Gland		Adenoma	
[ Adenoma TGLS = 4-12 ]			
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Moderate
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Necrosis	Focal, Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[ Hepatoblastoma TGLS = 2-6 ]			
[ Hepatocellular Carcinoma TGLS = 3-21 ]			
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
* Preputial Gland	Duct	Ectasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicle	Cyst	Moderate
	Follicular Cel	Hyperplasia	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:13

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

**Lab:** SRI

---

**ANIMAL ID:** 183

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 734

**DOSE:** 500 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96679

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

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: 96680

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

\* Lymph Node, Mandibular

INSUFFICIENT TISSUE

\* Thymus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Mild
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple

Note: HEPATOCELLULAR ADENOMA ON SLIDE 22. HEPATOBLASTOMA IS ON SLIDE 6. HEPATOCELLULAR CARCINOMAS ARE ON SLIDES 6, 21, AND 22.

[ Hepatocellular Carcinoma TGLS = 1-21,2-22 ]

* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic, Moderate
* Prostate		Inflammation	Chronic, Mild
* Skin	Subcut Tiss	Hemangiosarcoma	
* Spleen		Hematopoietic Cell Proliferation	Moderate

[ Hematopoietic Cell Proliferation TGLS = 3-6 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 186

TRT#: 5

SEX: Male

DAY ON TEST: 602

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 96682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea		

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Moderate
[ Cyst TGLS = 3-5 ]			
* Liver		Hemorrhage	Moderate
		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	Multiple
	Centrilobular	Necrosis	Moderate
[ Hepatoblastoma TGLS = 6-21,7-6 ]			
[ Hepatocellular Adenoma TGLS = UPLA,UPLB ]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Hepatoblastoma	Metastatic (Liver)
* Preputial Gland		Inflammation	Chronic, Mild
* Skin		Edema	Moderate
[ Edema TGLS = 1-8 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Urinary Bladder		Hemangiosarcoma	
[ Hemangiosarcoma TGLS = 4-22 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:13

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

**Lab:** SRI

---

**ANIMAL ID:** 186

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 602

**DOSE:** 500 MG/L

**DISP:** Natural Death

**HISTO:** 96682

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

- Liver Hepatoblastoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 188

TRT#: 5

SEX: Male

DAY ON TEST: 645

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 96684

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	* Lung	* Mammary Gland	* Nose
* Pancreas	* Prostate	* Salivary Glands	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Gallbladder	* Parathyroid Gland
---------------	---------------------

INSUFFICIENT TISSUE

\* Thymus

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Bone Marrow		Hyperplasia	Mild
* Heart		Mineralization	Moderate
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Cyst	Moderate
		Dilatation	Diffuse, Moderate
		Infarct	
* Liver	Renal Tubule	Necrosis	Mild
	Hepatocyte	Fatty Change	Mild
		Hemangiosarcoma	Multiple
		Hepatoblastoma	
		Hepatocellular Carcinoma	
		Necrosis	Focal, Mild
Note: HEMANGIOSARCOMA IS ON SLIDE 6.			
[ Hemangiosarcoma TGLS = 2-22 ]			
[ Hepatoblastoma TGLS = 2-22 ]			
[ Hepatocellular Carcinoma TGLS = 1-21 ]			
* Lymph Node, Mandibular		Atrophy	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 188	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 645
	<b>DOSE:</b> 500 MG/L	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 96684

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Lymph Node, Mesenteric		Pigmentation	Moderate
* Pituitary Gland	Pars Distalis	Atrophy	Moderate
* Preputial Gland	Duct	Cyst	Moderate
[ Ectasia TGLS = 3-8 ]		Ectasia	Marked
* Seminal Vesicle		Degeneration	Moderate
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
		Ulcer	Mild

---

PRIMARY CAUSE OF DEATH	- Liver	Hepatoblastoma
CONTRIBUTORY CAUSE OF DEATH	- Liver	Hemangiosarcoma; Liver Hepatocellular Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:13

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

**Lab:** SRI

**ANIMAL ID:** 189

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 500 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96685

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * 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, Mandibular    | * Lymph Node, Mesenteric | * Mammary Gland            |
| * Nose                    | * Parathyroid Gland         | * Pituitary Gland        | * Prostate                 |
| * Salivary Glands         | * Seminal Vesicle           | * Skin                   | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Testes                    | * Thymus                 | * Thyroid Gland            |
| * Trachea                 | * Urinary Bladder           |                          |                            |

**OBSERVATIONS**

- |                   |              |  |                    |
|-------------------|--------------|--|--------------------|
| * Bone Marrow     |              | Hyperplasia                                      | Moderate           |
| * Kidney          |              | Nephropathy                                      | Minimal            |
|                   | Renal Tubule | Pigmentation                                     | Marked             |
| * Liver           |              | Eosinophilic Focus                               |                    |
|                   |              | Hematopoietic Cell Proliferation                 | Mild               |
|                   |              | Hepatoblastoma                                   |                    |
|                   |              | Hepatocellular Adenoma                           | Multiple           |
|                   |              | [ Hepatoblastoma TGLS = 2-21 ]                   |                    |
|                   |              | [ Hepatocellular Adenoma TGLS = 2-21,UPLA,UPLB ] |                    |
| * Lung            |              | Hepatoblastoma                                   | Metastatic (Liver) |
| * Pancreas        | Acinus       | Cytoplasmic Alteration                           | Moderate           |
| * Preputial Gland | Duct         | Ectasia  | Moderate           |
|                   |              | Inflammation                                     | Chronic, Mild      |
| * Spleen          |              | Hematopoietic Cell Proliferation                 | Marked             |
|                   |              | [ Hematopoietic Cell Proliferation TGLS = 1-6 ]  |                    |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 190

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96686

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Inflammation	Chronic, Minimal
* Intestine Small, Jejunum		Carcinoma	
[ Carcinoma TGLS = 5-23 ]			
* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 4-6,UPLA,UPLB,UPLC ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
* Preputial Gland	Duct	Ectasia	Moderate
* Skin	Epidermis	Hyperplasia	Moderate
[ Hyperplasia TGLS = 1-21,2-22 ]		Ulcer	Marked
[ Ulcer TGLS = 1-21,2-22 ]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 3-6 ]			
* Thymus		Cyst	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 192

TRT#: 5

SEX: Male

DAY ON TEST: 516

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 96688

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Testes
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Small, Ileum
---------------	--------------------------

OBSERVATIONS

* Bone Marrow		Histiocytic Sarcoma	
* Brain		Histiocytic Sarcoma	
* Heart		Mineralization	Minimal
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
		Cyst	Moderate
	[ Accumulation, Hyaline Droplet TGLS = 2-5 ]		
* Liver		Hepatocellular Carcinoma	
		Histiocytic Sarcoma	
	[ Hepatocellular Carcinoma TGLS = 3-21 ]		
	[ Histiocytic Sarcoma TGLS = 3-21,4-6 ]		
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
* Nose		Histiocytic Sarcoma	
* Preputial Gland	Duct	Ectasia	Moderate
* Skin		Edema	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular		Erosion	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Mild

PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma  
 CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 192

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 516

**DOSE:** 500 MG/L

**DISP:** Natural Death

**HISTO:** 96688

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

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: 96689

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

\* Thymus

OBSERVATIONS

* Kidney		Cyst	Moderate
		Infarct	
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Eosinophilic Focus	
		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[ Hepatoblastoma TGLS = 2-6,2-21 ]		
	[ Hepatocellular Adenoma TGLS = 2-6,UPLA,UPLB,UPLC ]		
* Preputial Gland	Duct	Ectasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
	[ Hematopoietic Cell Proliferation TGLS = 1-6 ]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 194

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96690

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
	Capsule	Adenoma	
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	Moderate
		Infarct	
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
		[ Hepatoblastoma TGLS = 3-22 ]	
		[ Hepatocellular Adenoma TGLS = 2-6,UPLB ]	
		[ Hepatocellular Carcinoma TGLS = UPLA ]	
* Preputial Gland	Duct	Ectasia	Mild
* Prostate		Inflammation	Chronic, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		[ Hyperplasia TGLS = 4-23 ]	
* Thyroid Gland	Follicular Cel	Adenoma	
* Urin Bladder			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:13

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

**Lab:** SRI

---

**ANIMAL ID:** 194

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 500 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96690

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: INFUSION ARTIFACT IN URINARY BLADDER.

---

PRIMARY CAUSE OF DEATH

---

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 195

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* 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	* Lung	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

* Gallbladder	* Lymph Node, Mandibular
---------------	--------------------------

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Bone Marrow		Hyperplasia	Marked
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Cyst	Moderate
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Moderate
* Liver		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	Multiple
		[ Hepatoblastoma TGLS = 2-6,2-23 ]	
		[ Hepatocellular Adenoma TGLS = 2-6 ]	
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Mild
		Hemorrhage	Minimal
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic, Mild
* Skin	Epidermis	Hyperplasia	Moderate
		Ulcer	Marked
		[ Hyperplasia TGLS = 3-21,4-22 ]	
		[ Ulcer TGLS = 3-21,4-22 ]	
* Spleen		Hematopoietic Cell Proliferation	Moderate
		[ Hematopoietic Cell Proliferation TGLS = 1-6 ]	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:13

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

**Lab:** SRI

---

**ANIMAL ID:** 195

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 500 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96691

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 196

TRT#: 5

SEX: Male

DAY ON TEST: 683

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 96692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* 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	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	

MISSING

\* Thymus

INSUFFICIENT TISSUE

\* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Harderian Gland		Adenoma	
[ Adenoma TGLS = 11-12 ]			
* Kidney	Renal Tubule	Infarct	
		Pigmentation	Marked
* Liver		Hepatoblastoma	Multiple
	Centrilobular	Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Necrosis	Moderate
[ Hepatoblastoma TGLS = 6-23,7-24 ]			
[ Hepatocellular Adenoma TGLS = 4-21 ]			
[ Hepatocellular Carcinoma TGLS = 5-22 ]			
* Lung		Hepatoblastoma	Metastatic (Liver)
Lymph Node	Iliac	Pigmentation	Moderate
[ Pigmentation TGLS = 9-25 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 12-26 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 196	<b>TRT#:</b> 5 <b>DOSE:</b> 500 MG/L	<b>SEX:</b> Male <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 683 <b>HISTO:</b> 96692
-----------------------	---	--	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Preputial Gland	Duct	Ectasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 3-6 ]			
* Urinary Bladder		Edema	Moderate

---

PRIMARY CAUSE OF DEATH	- Liver	Hepatoblastoma
CONTRIBUTORY CAUSE OF DEATH	- Liver	Hepatocellular Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 197

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96693

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Islets, Pancreatic		Adenoma	
		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Marked
	[ Hepatocellular Adenoma TGLS = UPLA,UPLB ]		
	[ Hepatocellular Carcinoma TGLS = 1-21 ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Alveolar Epith	Hyperplasia	Minimal
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 198	<b>TRT#:</b> 5 <b>DOSE:</b> 500 MG/L	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 674 <b>HISTO:</b> 96694
-----------------------	---	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Thymus		Atrophy	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
	Follicular Cel	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Liver	Hepatoblastoma	
CONTRIBUTORY CAUSE OF DEATH	- Liver	Hepatocellular Carcinoma	

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 96695

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Bone                   | * Brain                    | * Epididymis              |
| * Esophagus                 | * Eye                    | * Gallbladder              | * 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, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Nose                      | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   | * Thymus                  |
| * Thyroid Gland             | * Trachea                | * Urinary Bladder          |                           |

OBSERVATIONS

- |  |            |                                  |          |
|--|------------|----------------------------------|----------|
| * Adrenal Cortex   | Capsule    | Adenoma                          |          |
| * Bone Marrow  |            | Hyperplasia                      | Mild     |
| * Liver  |            | Eosinophilic Focus               |          |
|  |            | Hepatoblastoma                   |          |
|  |            | Hepatocellular Adenoma           | Multiple |
|  |            | Hepatocellular Carcinoma         | Multiple |
|  |            | Mixed Cell Focus                 |          |
|  | Hepatocyte | Vacuolization Cytoplasmic        | Marked   |
| Note: HEPATOCELLULAR ADENOMAS ARE ON SLIDES 6, 22, 23, AND 25.<br>[ Hepatocellular Adenoma TGLS = 3-22,4-23,6-25 ]<br>[ Hepatocellular Carcinoma TGLS = 2-21,3-22,5-24 ] |            |                                  |          |
| * Lung   |            | Alveolar/Bronchiolar Adenoma     |          |
| * Preputial Gland  | Duct       | Ectasia                          | Marked   |
|  |            | [ Ectasia TGLS = 1-8 ]           |          |
| * Spleen   |            | Hematopoietic Cell Proliferation | Minimal  |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 201

TRT#: 7

SEX: Male

DAY ON TEST: 718

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 96697

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* 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
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

INSUFFICIENT TISSUE

\* Gallbladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[ Hepatocellular Carcinoma TGLS = 2-6, UPL ]		
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	[ Alveolar/Bronchiolar Carcinoma TGLS = 5-23,6-2 ]		
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Mild
* Preputial Gland	Duct	Ectasia	Mild
Skeletal Muscle		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	[ Alveolar/Bronchiolar Carcinoma TGLS = 3-21,4-22 ]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicle	Degeneration	Focal, Mild

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:13

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

**Lab:** SRI

---

**ANIMAL ID:** 201

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 718

**DOSE:** 1000 MG/L

**DISP:** Natural Death

**HISTO:** 96697

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

---

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 203

TRT#: 7

SEX: Male

DAY ON TEST: 639

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 96699

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Harderian Gland		Hyperplasia	Focal, Minimal
* Heart		Mineralization	Moderate
* Intestine Large, Cecum		Edema	Mild
* Kidney		Infarct	
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Moderate
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
	Centrilobular	Necrosis	Marked
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
		[ Hepatoblastoma TGLS = 1-21 ]	
		[ Hepatocellular Adenoma TGLS = 6-22 ]	
		[ Hepatocellular Carcinoma TGLS = 6-22 ]	
		[ Necrosis TGLS = 5-6 ]	
		[ Vacuolization Cytoplasmic TGLS = 7-23 ]	
* Lung		Hepatoblastoma	Metastatic (Liver)
		Thrombosis	Moderate
* Lymph Node, Mesenteric		Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 203	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 639
	<b>DOSE:</b> 1000 MG/L	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 96699

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Preputial Gland [ Ectasia TGLS = 2-8 ]	Duct	Ectasia	Marked
* Spleen [ Hematopoietic Cell Proliferation TGLS = 4-6 ]		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Moderate

---

PRIMARY CAUSE OF DEATH	- Liver	Hepatoblastoma
CONTRIBUTORY CAUSE OF DEATH	- Liver	Hepatocellular Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 204

TRT#: 7

SEX: Male

DAY ON TEST: 675

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 96700

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* 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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

INSUFFICIENT TISSUE

\* Gallbladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Marked
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
		Necrosis	Focal, Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[ Eosinophilic Focus TGLS = 10-27 ]		
	[ Hepatocellular Carcinoma TGLS = 1-21,2-23,3-24 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	[ Alveolar/Bronchiolar Carcinoma TGLS = 7-2 ]		
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Moderate
* Preputial Gland	Duct	Ectasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Moderate
		Inflammation	Chronic, Moderate
	[ Hyperplasia TGLS = 9-26 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 204	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 675
	<b>DOSE:</b> 1000 MG/L	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 96700

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Inflammation TGLS = 9-26 ]			
* Thymus		Atrophy	Marked
		Cyst	Moderate
Tissue NOS		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: METASTATIC ALVEOLAR/BRONCHIOLAR CARCINOMA IS IN MEDIASTINUM (CODED AS TISSUE NOS) ON SLIDES 3 AND 25.			
[ Alveolar/Bronchiolar Carcinoma TGLS = 6-25 ]			

---

PRIMARY CAUSE OF DEATH	- Lung	Alveolar/Bronchiolar Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Nephropathy;Liver Hepatocellular Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 206

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 96702

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone Marrow		Hyperplasia	Mild
* Kidney		Metaplasia	Osseous, Mild
		Nephropathy	Minimal
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple

Note: HEPATOCELLULAR CARCINOMAS ARE PRESENT ON SLIDES 6 AND 21.

[ Hepatoblastoma TGLS = UPLA ]

[ Hepatocellular Adenoma TGLS = UPLB ]

[ Hepatocellular Carcinoma TGLS = 2-21 ]

* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:13

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

**Lab:** SRI

---

**ANIMAL ID:** 206

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 734

**DOSE:** 1000 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96702

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 207

TRT#: 7

SEX: Male

DAY ON TEST: 622

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 96703

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- \* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

- |                             |                            |
|-----------------------------|----------------------------|
| * Intestine Small, Duodenum | * Intestine Small, Jejunum |
|-----------------------------|----------------------------|

OBSERVATIONS

- |                                |               |                                  |                     |
|--------------------------------|---------------|----------------------------------|---------------------|
| * Bone Marrow                  |               | Hyperplasia                      | Marked              |
| * Harderian Gland              |               | Adenoma                          |                     |
| [ Adenoma TGLS = 3-12 ]        |               |                                  |                     |
| * Heart                        |               | Mineralization                   | Mild                |
| * Kidney                       | Renal Tubule  | Pigmentation                     | Marked              |
| * Liver                        |               | Hepatoblastoma                   |                     |
|                                | Centrilobular | Hepatocellular Adenoma           |                     |
| [ Hepatoblastoma TGLS = 2-21 ] |               | Necrosis                         | Marked              |
| [ Necrosis TGLS = 1-6 ]        |               |                                  |                     |
| * Lung                         |               | Infiltration Cellular            | Histiocyte, Minimal |
| * Preputial Gland              | Duct          | Ectasia                          | Marked              |
| * Spleen                       |               | Hematopoietic Cell Proliferation | Marked              |
| * Thymus                       |               | Atrophy                          | Marked              |

PRIMARY CAUSE OF DEATH

- Liver Hepatoblastoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 208

TRT#: 7

SEX: Male

DAY ON TEST: 570

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 96704

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

\* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
--------------------------	-----------------------------	----------------------------

INSUFFICIENT TISSUE

\* Lymph Node, Mesenteric

OBSERVATIONS

* Kidney	Renal Tubule	Necrosis	Minimal
[ Necrosis TGLS = 3-5 ]			
* Liver	Centrilobular Hepatocyte	Basophilic Focus Eosinophilic Focus Hepatocellular Carcinoma Necrosis Vacuolization Cytoplasmic	Multiple Mild Moderate
[ Hepatocellular Carcinoma TGLS = 1-21,2-22 ]			
* Preputial Gland	Duct	Ectasia	Mild
Skeletal Muscle		Hemangiosarcoma	
[ Hemangiosarcoma TGLS = 4-7 ]			
* Spleen		Hemangiosarcoma	
[ Hemangiosarcoma TGLS = 5-6 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 208	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 570
	<b>DOSE:</b> 1000 MG/L	<b>DISP:</b> Natural Death	<b>HISTO:</b> 96704

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Testes	Germinal Epith	Atrophy	Mild
* Thymus		Atrophy	Moderate
		Cyst	Moderate

---

PRIMARY CAUSE OF DEATH	- Liver Hepatocellular Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Spleen Hemangiosarcoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 209

TRT#: 7

SEX: Male

DAY ON TEST: 701

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 96705

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	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

* Gallbladder	* Lymph Node, Mesenteric
---------------	--------------------------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Moderate
* Liver		Hemangiosarcoma	
		Hepatoblastoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Note: HEPATOBLASTOMAS ARE ON SLIDES 6 AND 21.			
[ Hepatoblastoma TGLS = 1-21 ]			
[ Hepatocellular Carcinoma TGLS = 2-22,3-23 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Marked
		[ Alveolar/Bronchiolar Carcinoma TGLS = 4-2 ]	
* Lymph Node, Mandibular		Atrophy	Mild
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Atrophy	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 209

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 701

**DOSE:** 1000 MG/L

**DISP:** Moribund Sacrifice

**HISTO:** 96705

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thymus

Hematopoietic Cell Proliferation

Marked

\* Thyroid Gland

Follicle

Atrophy

Moderate

Degeneration

Focal, Minimal

---

PRIMARY CAUSE OF DEATH

- Lung Alveolar/Bronchiolar Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hemangiosarcoma;Liver Hepatoblastoma;Liver Hepatocellular Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 210

TRT#: 7

DOSE: 1000 MG/L

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 682

HISTO: 96706

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	Peripheral Nerve
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland	* Thymus
---------------------	----------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Epididymis		Necrosis	Moderate
Note: NECROSIS INVOLVES SPERMATOZOA IN EPIDIDYMIS.			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Necrosis	Minimal
		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Moderate
* Liver		Hepatoblastoma	
	Centrilobular	Hepatocellular Carcinoma	Multiple
		Necrosis	Moderate
Note: HEPATOBLASTOMA IS ON SLIDES 21 AND 22.			
[ Hepatoblastoma TGLS = 1-21 ]			
[ Hepatocellular Carcinoma TGLS = 3-6,4-23,5-24 ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Atrophy	Moderate
* Preputial Gland	Duct	Ectasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 2-6 ]			

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 210

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 682

**DOSE:** 1000 MG/L

**DISP:** Moribund Sacrifice

**HISTO:** 96706

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatoblastoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 211

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 96707

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Pituitary Gland	* Thymus
-------------------	----------

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum
----------------------------

INSUFFICIENT TISSUE

* Lymph Node, Mesenteric
--------------------------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney	Renal Tubule	Pigmentation	Marked
* Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	
		[ Hepatoblastoma TGLS = 1-21 ]	
		[ Hepatocellular Carcinoma TGLS = UPL ]	
* Lung		Hepatoblastoma	Metastatic (Liver)
		Infiltration Cellular	Histiocyte, Minimal
		[ Hepatoblastoma TGLS = 3-22 ]	
* Lymph Node, Mandibular		Atrophy	Mild
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

- Liver Hepatoblastoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 212

TRT#: 7

DOSE: 1000 MG/L

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 96708

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* 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	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Marked
	Renal Tubule	Pigmentation	Mild
* Liver		Hepatocellular Carcinoma	Multiple
		Necrosis	Focal, Mild
Note: HEPATOCELLULAR CARCINOMAS ARE PRESENT ON SLIDES 6 AND 21. [ Hepatocellular Carcinoma TGLS = 1-21 ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mandibular		Atrophy	Moderate
* Lymph Node, Mesenteric		Angiectasis	Moderate
		Atrophy	Moderate
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Atrophy	Moderate
* Stomach, Forestomach		Diverticulum	
* Stomach, Glandular		Metaplasia	Atypical, Moderate
Note: THE METAPLASIA CONSISTS OF WELL-DIFFERENTIATED MUCOUS GLANDS WITHIN THE MUSCULARIS.			
* Testes	Germinal Epith	Atrophy	Mild
* Thymus		Atrophy	Moderate
		Cyst	Moderate

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 213

TRT#: 7

DOSE: 1000 MG/L

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 96709

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pituitary Gland	* Prostate	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland	* Thymus
---------------------	----------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney	Renal Tubule	Pigmentation	Moderate
* Liver		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[ Hepatoblastoma TGLS = 3-22,4-23 ]			
[ Hepatocellular Adenoma TGLS = 8-26,9-27 ]			
[ Hepatocellular Carcinoma TGLS = 3-22, 5-24, 7-25 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Suppurative, Mild
[ Alveolar/Bronchiolar Carcinoma TGLS = 6-2 ]			
[ Infiltration Cellular TGLS = 11-29,12-30 ]			
[ Inflammation TGLS = 11-29, 12-30 ]			
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic, Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 213

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 1000 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96709

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Salivary Glands

Hyperplasia

Lymphoid, Mild

\* Spleen

Hematopoietic Cell Proliferation

Marked

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 214

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 96710

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Inflammation	Chronic, Marked
* Intestine Small, Jejunum		Developmental Malformation	
	Epithelium	Hyperplasia	Moderate
[ Hyperplasia TGLS = 6-3 ]			
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[ Eosinophilic Focus TGLS = 2-6,3-22 ]			
[ Hepatocellular Adenoma TGLS = 1-21, 4-23 ]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Marked
[ Hyperplasia TGLS = 5-5 ]			
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Chronic, Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 215

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 96711

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Marked
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatoblastoma	Multiple
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCELLULAR CARCINOMAS ARE ON SLIDES 6 AND 23. [ Hepatoblastoma TGLS = 1-21,4-23 ]			
* Lung		Hepatoblastoma	Metastatic (Liver)
			[ Hepatoblastoma TGLS = 5-2 ]
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Mild
Mesentery		Hepatoblastoma	Metastatic (Liver)
			[ Hepatoblastoma TGLS = 3-22 ]
* Pancreas		Necrosis	Moderate
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Mild
			[ Ectasia TGLS = 2-8 ]
			[ Inflammation TGLS = 2-8 ]
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:13

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

**Lab:** SRI

---

<b>ANIMAL ID:</b> 215	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 1000 MG/L	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 96711

---

<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild

---

<b>PRIMARY CAUSE OF DEATH</b>	-
-------------------------------	---

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 216

TRT#: 7

SEX: Male

DAY ON TEST: 633

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 96712

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	Skeletal Muscle
* Skin	Spinal Cord	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

INSUFFICIENT TISSUE

\* Bone Marrow

OBSERVATIONS

* Bone	Femur	Fibrous Osteodystrophy	Moderate
* Harderian Gland		Adenoma	
[ Adenoma TGLS = 6-12 ]			
* Heart		Mineralization	Marked
[ Mineralization TGLS = 5-12 ]			
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Renal Tubule	Dilatation	Diffuse, Moderate
	Renal Tubule	Pigmentation	Moderate
* Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
		Necrosis	Focal, Marked
Note: HEPATOCELLULAR CARCINOMAS PRESENT ON SLIDES 6 AND 21.			
			[ Hepatoblastoma TGLS = 2-6 ]
			[ Hepatocellular Carcinoma TGLS = 1-21 ]
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 4-2 ]			
* Lymph Node, Mandibular		Atrophy	Moderate
* Lymph Node, Mesenteric		Atrophy	Moderate
Mesentery		Hepatocellular Carcinoma	Metastatic (Liver)

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 216	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 633
	<b>DOSE:</b> 1000 MG/L	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 96712

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hepatocellular Carcinoma TGLS = 7-22 ]

* Spleen	Lymph Follic	Atrophy	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
		Ulcer	Mild
* Thymus		Atrophy	Moderate

---

PRIMARY CAUSE OF DEATH	- Liver	Hepatoblastoma
CONTRIBUTORY CAUSE OF DEATH	- Liver	Hepatocellular Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 217

TRT#: 7

SEX: Male

DAY ON TEST: 647

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 96713

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

\* Gallbladder

INSUFFICIENT TISSUE

\* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Marked
* Kidney	Renal Tubule	Pigmentation	Moderate
* Liver	Hepatocyte	Hepatoblastoma	Multiple
		Vacuolization Cytoplasmic	Mild
[ Hepatoblastoma TGLS = 1-21 ]			
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
* Preputial Gland	Duct	Ectasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
[ Hematopoietic Cell Proliferation TGLS = 2-6 ]			
* Testes	Germinal Epith	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Liver Hepatoblastoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 218

TRT#: 7

DOSE: 1000 MG/L

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 647

HISTO: 96714

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone		Necrosis	Focal, Mild
[ Necrosis TGLS = 3-22 ]			
* Bone Marrow		Hyperplasia	Moderate
* Harderian Gland		Adenoma	
[ Adenoma TGLS = 4-12 ]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Nephropathy	Minimal
		Pigmentation	Marked
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	Centrilobular	Necrosis	Minimal
[ Hepatoblastoma TGLS = 1-21,6-24 ]			
[ Hepatocellular Carcinoma TGLS = 5-23 ]			
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 2-6 ]			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:13

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

**Lab:** SRI

---

<b>ANIMAL ID:</b> 218	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 647
	<b>DOSE:</b> 1000 MG/L	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 96714

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Liver	Hepatoblastoma	
CONTRIBUTORY CAUSE OF DEATH	- Liver	Hepatocellular Carcinoma	

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 219

TRT#: 7

SEX: Male

DAY ON TEST: 585

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 96715

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Parathyroid Gland

OBSERVATIONS

Blood Vessel		Hypertrophy Inflammation	Marked Chronic, Marked
Note: POLYARTERITIS (HYPERTROPHY AND CHRONIC INFLAMMATION) IS EVIDENT ON SEVERAL SLIDES INCLUDING 3, 4, AND 5.			
[ Hypertrophy TGLS = 2-5 ]			
[ Inflammation TGLS = 2-5 ]			
* Bone Marrow		Hyperplasia Carcinoma	Mild
* Intestine Large, Cecum			
[ Carcinoma TGLS = 7-23 ]			
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	
[ Hepatocellular Adenoma TGLS = 3-21 ]			
[ Hepatocellular Carcinoma TGLS = 4-22 ]			
* Lung		Hemorrhage	Mild
* Lymph Node, Mandibular		Atrophy	Moderate
* Preputial Gland	Duct	Ectasia	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 219

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 585

**DOSE:** 1000 MG/L

**DISP:** Natural Death

**HISTO:** 96715

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**CONTRIBUTORY CAUSE OF DEATH** - Intestine Large;Cecum Carcinoma

---

Animal Note: TGLS 5-3 AND 6-4 ARE DILATATION OF JEJUNUM AND ILEUM, RESPECTIVELY; MORPHOLOGY U NAVAILABLE ON TDMS.

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 220

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 96716

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* 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
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Carcinoma	
		Cyst	Moderate
	Renal Tubule	Dilatation	Diffuse, Moderate
		Glomerulosclerosis	Moderate
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Moderate
[ Carcinoma TGLS = 2-5 ]			
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Infiltration Cellular	Mixed Cell, Mild
		Necrosis	Focal, Mild
Note: HEPATOCELLULAR CARCINOMAS ARE ON SLIDES 6 AND 21.			
[ Hepatoblastoma TGLS = 1-21 ]			
[ Hepatocellular Carcinoma TGLS = 1-21 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Hepatoblastoma	Metastatic (Liver)
		Hepatocellular Carcinoma	Metastatic (Liver)
[ Alveolar/Bronchiolar Carcinoma TGLS = 4-2 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 220	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 1000 MG/L	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 96716

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hepatoblastoma TGLS = 3-23 ]			
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Mild
		Hematopoietic Cell Proliferation	Moderate
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Mild
* Skin	Epidermis	Hyperplasia	Moderate
		Ulcer	Marked
[ Hyperplasia TGLS = 6-22 ]			
[ Ulcer TGLS = 6-22 ]			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Testes	Germinal Epith	Atrophy	Mild
* Thymus		Atrophy	Moderate

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 223

TRT#: 7

SEX: Male

DAY ON TEST: 616

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 96719

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Adrenal Medulla

AUTO PRECLUDES DIAG.

\* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
	Capsule	Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Inflammation	Chronic, Mild
Note: INFLAMMATION INVOLVES AV VALVES; BACTERIAL COLONIES ATTACHED TO AREA OF INFLAMMATION IN AV VALVES.			
* Kidney		Inflammation	Suppurative, Mild
	Renal Tubule	Necrosis	Marked
* Liver		Hepatocellular Carcinoma	Multiple
		Necrosis	Focal, Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[ Hepatocellular Carcinoma TGLS = 3-22,4-23 ]			
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
* Stomach, Glandular	Glands	Hyperplasia	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:13

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

**Lab:** SRI

---

**ANIMAL ID:** 223

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 616

**DOSE:** 1000 MG/L

**DISP:** Natural Death

**HISTO:** 96719

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Spleen Lymphoma Malignant

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 227

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 96723

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Nose	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatoblastoma	
	Hepatocyte	Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Vacuolization Cytoplasmic	Marked
	[ Hepatoblastoma TGLS = 2-6 ]		
	[ Hepatocellular Adenoma TGLS = 2-6 ]		
	[ Hepatocellular Carcinoma TGLS = 1-21,2-6 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
	[ Alveolar/Bronchiolar Carcinoma TGLS = 5-23 ]		
* Parathyroid Gland		Cyst	Moderate
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Chronic, Mild
	[ Inflammation TGLS = 3-8 ]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Hyperplasia	Lymphoid, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 228

TRT#: 7

DOSE: 1000 MG/L

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 576

HISTO: 96724

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland	* Thymus
---------------------	----------

OBSERVATIONS

* Bone Marrow	Hyperplasia	Moderate
* Harderian Gland	Adenoma	
* Intestine Large, Cecum	Carcinoma	
* Kidney	Nephropathy	Minimal
* Liver	Hepatocellular Carcinoma	
Note: A PORTION OF THE HEPATOCELLULAR CARCINOMA IS ON SLIDE 6. METASTATIC HEPATOCELLULAR CARCINOMA IS ALSO PRESENT ON SLIDE 3 IN MEDIASTINAL TISSUE. [ Hepatocellular Carcinoma TGLS = 1-21 ]		
* Lung	Alveolar/Bronchiolar Carcinoma	Multiple
	Hepatocellular Carcinoma	Metastatic (Liver)
	Infiltration Cellular	Histiocyte, Marked
[ Alveolar/Bronchiolar Carcinoma TGLS = 3-2 ] [ Hepatocellular Carcinoma TGLS = 3-2 ]		
Skeletal Muscle	Hepatocellular Carcinoma	Metastatic (Liver)
Note: TGL 2-22 INVOLVES LIVER TUMOR METASTASIS IN THE INTERCOSTAL SKELETAL MUSCLE. [ Hepatocellular Carcinoma TGLS = 2-22 ]		
* Spleen	Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Squamous Cell Papilloma	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Intestine Large;Cecum Carcinoma;Lung Alveolar/Bronchiolar Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:13

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

**Lab:** SRI

---

**ANIMAL ID:** 228

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 576

**DOSE:** 1000 MG/L

**DISP:** Moribund Sacrifice

**HISTO:** 96724

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 229

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 96725

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Kidney		Cyst	Moderate
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCELLULAR ADENOMAS ARE PRESENT ON SLIDES 6 AND 26.			
[ Hepatocellular Adenoma TGLS = 7-26 ]			
[ Hepatocellular Carcinoma TGLS = 1-21,2-22,3-23 ]			
* Lymph Node, Mandibular		Atrophy	Mild
		Pigmentation	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Preputial Gland	Duct	Ectasia	Mild
* Skin	Epidermis	Hyperplasia	Marked
		Ulcer	Marked
[ Hyperplasia TGLS = 5-24 ]			
[ Ulcer TGLS = 5-24 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular	Glands	Hyperplasia	Moderate
[ Hyperplasia TGLS = 6-25 ]			
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 231

TRT#: 7

SEX: Male

DAY ON TEST: 640

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 96727

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * 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                     |
| * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        | * Preputial Gland          |
| * Prostate                | * Salivary Glands           | * Seminal Vesicle        | * Skin                     |
| * Stomach, Glandular      | * Testes                    | * Thyroid Gland          | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

OBSERVATIONS

- |  |                                  |          |
|--|----------------------------------|----------|
| * Bone Marrow  | Hyperplasia                      | Moderate |
| * Kidney   | Hydronephrosis                   | Mild     |
|  | Nephropathy                      | Marked   |
| [ Hydronephrosis TGLS = 2-5 ]                        |                                  |          |
| * Liver  | Hepatocellular Carcinoma         | Multiple |
| [ Hepatocellular Carcinoma TGLS = 1-21, UPLA, UPLB ] |                                  |          |
| * Lymph Node, Mandibular                             | Atrophy                          | Moderate |
| * Lymph Node, Mesenteric                             | Atrophy                          | Mild     |
| * Spleen   | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach                               | Ulcer                            | Moderate |
| * Thymus   | Atrophy                          | Marked   |

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 234

TRT#: 7

SEX: Male

DAY ON TEST: 594

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 96730

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

AUTO PRECLUDES DIAG.

\* Intestine Small, Jejunum

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney	Renal Tubule	Pigmentation	Moderate
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
Note: AUTOLYSIS MADE ACCURATE DIAGNOSIS OF LIVER LESIONS PROBLEMATIC. [ Hepatoblastoma TGLS = 2-21 ] [ Hepatocellular Carcinoma TGLS = 2-21, UPLC ]			
* Preputial Gland	Duct	Ectasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Moderate
* Urin Bladder			

Note: INFUSION ARTIFACT IN URINARY BLADDER.

PRIMARY CAUSE OF DEATH

- Liver Hepatoblastoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 235

TRT#: 7

SEX: Male

DAY ON TEST: 702

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 96731

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Heart
* 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
Penis	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

\* Gallbladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Harderian Gland		Adenoma	Multiple
[ Adenoma TGLS = 10-12 ]			
* Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Marked
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
		Hepatoblastoma	Multiple
	Centrilobular	Hepatocellular Carcinoma	
[ Eosinophilic Focus TGLS = 5-6 ]		Necrosis	Mild
[ Hepatoblastoma TGLS = 3-21,4-22,8-23 ]			
[ Hepatocellular Carcinoma TGLS = 5-6 ]			
* Lung		Hepatoblastoma	Metastatic (Liver)
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Minimal
[ Hemorrhage TGLS = 9-3 ]			
[ Pigmentation TGLS = 9-3 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 235	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 702
	<b>DOSE:</b> 1000 MG/L	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 96731

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Lymph Node, Mandibular		Atrophy	Mild
Peripheral Nerve		Atrophy	Minimal
* Preputial Gland	Duct	Ectasia	Mild
[ Ectasia TGLS = 2-8 ]			
Skeletal Muscle		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 7-6 ]			
* Thymus		Atrophy	Moderate

---

<b>PRIMARY CAUSE OF DEATH</b>	- Liver Hepatoblastoma
-------------------------------	------------------------

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 236

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 96732

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Inflammation	Chronic, Mild
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Marked
	[ Hepatocellular Adenoma TGLS = 3-6 ]		
	[ Hepatocellular Carcinoma TGLS = 3-6 ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	[ Hepatocellular Carcinoma TGLS = 4-21 ]		
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Mild
		Hemorrhage	Mild
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Mild
* Spleen		Angiectasis	Mild
		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 2-6 ]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Moderate
		Inflammation	Chronic, Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 236

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 1000 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96732

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Testes	Germinal Epith	Atrophy	Mild
* Thymus		Atrophy	Moderate

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 237

TRT#: 7

DOSE: 1000 MG/L

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 647

HISTO: 96733

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Bone Marrow		Hemangiosarcoma	
		Hyperplasia	Moderate
Note: THE HEMANGIOSARCOMA APPEARS TO BE IN AN EARLY STAGE.			
* Heart		Mineralization	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Marked
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	Multiple
Note: HEPATOCELLULAR ADENOMAS ARE ON SLIDES 6 AND 23.			
		[ Hepatoblastoma TGLS = 1-21,2-22 ]	
		[ Hepatocellular Adenoma TGLS = 5-23 ]	
* Lymph Node, Mandibular		Atrophy	Mild
* Preputial Gland	Duct	Ectasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Marked
		[ Hematopoietic Cell Proliferation TGLS = 4-6 ]	
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:13

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

**Lab:** SRI

---

**ANIMAL ID:** 237

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 647

**DOSE:** 1000 MG/L

**DISP:** Moribund Sacrifice

**HISTO:** 96733

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

CONTRIBUTORY CAUSE OF DEATH

- Bone Marrow Hemangiosarcoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 239

TRT#: 7

SEX: Male

DAY ON TEST: 595

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 96735

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

\* Thymus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Marked
* Liver		Hematopoietic Cell Proliferation	Mild
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
	[ Hepatoblastoma TGLS = 3-21 ]		
* Preputial Gland	Duct	Ectasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Marked
	[ Hematopoietic Cell Proliferation TGLS = 1-6 ]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
	[ Hyperplasia TGLS = 4-4 ]		

PRIMARY CAUSE OF DEATH

- Liver Hepatoblastoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 240

TRT#: 7

DOSE: 1000 MG/L

SEX: Male

DISP: Natural Death

DAY ON TEST: 505

HISTO: 96736

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* 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
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatoblastoma	Multiple
		Hepatocellular Carcinoma	Multiple
Note: HEPATOBLASTOMA IS PRESENT ON SLIDES 6, 23, AND 25.			
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Mild
* Lymph Node, Mandibular		Atrophy	Mild
Mesentery		Hepatoblastoma	Metastatic (Liver)
	Fat	Necrosis	Marked
* Preputial Gland	Duct	Ectasia	Moderate
* Seminal Vesicle		Hepatoblastoma	Metastatic (Liver)

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 240	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 505
	<b>DOSE:</b> 1000 MG/L	<b>DISP:</b> Natural Death	<b>HISTO:</b> 96736

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Spleen [ Hematopoietic Cell Proliferation TGLS = 3-6 ]	Hematopoietic Cell Proliferation	Marked
* Thymus	Atrophy	Moderate
* Urin Bladder Note: INFUSION ARTIFACT IN URINARY BLADDER.		

---

PRIMARY CAUSE OF DEATH	- Liver	Hepatoblastoma
CONTRIBUTORY CAUSE OF DEATH	- Liver	Hepatocellular Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 241

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 96737

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* 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
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney	Renal Tubule	Adenoma	
		Infarct	
	Renal Tubule	Pigmentation	Marked
[ Adenoma TGLS = 7-5 ]			
* Liver		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCELLULAR CARCINOMAS ARE PRESENT ON SLIDES 6 AND 21. HEPATOBLASTOMAS AND HEPATOCELLULAR ADENOMA ARE ON SLIDE 6.			
[ Hepatocellular Carcinoma TGLS = 2-21 ]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mandibular		Atrophy	Mild
		Pigmentation	Moderate
* Lymph Node, Mesenteric		Atrophy	Mild
Mesentery	Fat	Necrosis	Moderate
Note: FAT NECROSIS ON SLIDE 23 INCLUDES ADHESION TO ABDOMINAL WALL.			
[ Necrosis TGLS = 4-22,5-23 ]			
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Mild
* Skin	Epidermis	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 241	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 1000 MG/L	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 96737

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLS = 6-24 ] [ Ulcer TGLS = 6-24 ]	Ulcer	Marked
* Spleen [ Hematopoietic Cell Proliferation TGLS = 3-6 ]	Hematopoietic Cell Proliferation	Marked
* Thymus	Atrophy	Moderate
* Thyroid Gland	Follicle Degeneration Follicular Cel Hyperplasia	Focal, Minimal Minimal

---

PRIMARY CAUSE OF DEATH -

---

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 242

TRT#: 7

SEX: Male

DAY ON TEST: 721

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 96738

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* 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	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

INSUFFICIENT TISSUE

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

OBSERVATIONS

* Kidney	Nephropathy	Marked
* Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	Multiple
	Infiltration Cellular	Mixed Cell, Mild
Note: HEPATOCELLULAR ADENOMAS PRESENT ON SLIDES 6, 23, AND 24. [ Hepatocellular Adenoma TGLS = 5-23,7-24 ] [ Hepatocellular Carcinoma TGLS = 1-21,2-22,3-6 ]		
* Lung	Edema	Mild
	Foreign Body	
	Hepatocellular Carcinoma	Metastatic (Liver)
	Inflammation	Suppurative, Marked
	[ Edema TGLS = 6-2 ]	
	[ Foreign Body TGLS = 6-2 ]	
	[ Inflammation TGLS = 6-2 ]	
* Lymph Node, Mesenteric	Atrophy	Moderate
	Hemorrhage	Mild
* Nose	Foreign Body	
	Inflammation	Chronic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:13  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 242	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 721
	<b>DOSE:</b> 1000 MG/L	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 96738

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Preputial Gland	Duct	Ectasia	Marked
[ Ectasia TGLS = 4-8 ]			
* Spleen	Lymph Follic	Atrophy	Moderate
* Stomach, Forestomach		Ulcer	Moderate

---

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 243

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 96739

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

MISSING

\* Gallbladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Harderian Gland		Hyperplasia	Focal, Mild
* Intestine Small, Duodenum		Adenoma	
[ Adenoma TGLS = 4-23 ]			
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Infarct	
	Renal Tubule	Pigmentation	Moderate
* Liver		Hepatoblastoma	Multiple
		Hepatocellular Carcinoma	Multiple
[ Hepatoblastoma TGLS = 1-21,2-6 ]			
[ Hepatocellular Carcinoma TGLS = 2-6, UPLB ]			
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
		Hepatoblastoma	Metastatic (Liver)
		Infiltration Cellular	Histiocyte, Moderate
[ Alveolar/Bronchiolar Carcinoma TGLS = 3-2 ]			
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:13

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

**Lab:** SRI

---

**ANIMAL ID:** 243

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 1000 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96739

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thyroid Gland

Follicular Cel

Hyperplasia

Mild

---

PRIMARY CAUSE OF DEATH

-

---

Animal Note: SLIDE 22 NOT AVAILABLE FOR THIS ANIMAL.

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 245

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 96741

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Intestine Small, Jejunum [ Lymphoma Malignant TGLS = 6-3 ]		Lymphoma Malignant	
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Marked
Note: HEPATOCELLULAR ADENOMA AND HEPATOCELLULAR CARCINOMA ALSO PRESENT ON SLIDE 6.			
* Preputial Gland	Duct	Ectasia	Moderate
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Thyroid Gland	Follicle	Cyst	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 246

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 96742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatoblastoma	
	Hepatocyte	Hepatocellular Carcinoma	Multiple
		Vacuolization Cytoplasmic	Marked
	[ Hepatoblastoma TGLS = 2-22 ]		
	[ Hepatocellular Carcinoma TGLS = 1-21,2-22,5-23 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[ Alveolar/Bronchiolar Carcinoma TGLS = 4-24 ]		
* Preputial Gland	Duct	Ectasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
	[ Hyperplasia TGLS = 6-25 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 249

TRT#: 7

DOSE: 1000 MG/L

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 96745

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
		Hyperplasia	Focal, Minimal
		Hypertrophy	Focal, Moderate
* Liver		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Marked
	[ Hepatoblastoma TGLS = 2-6 ]		
	[ Hepatocellular Adenoma TGLS = 1-21,2-6 ]		
	[ Hepatocellular Carcinoma TGLS = 1-21,2-6 ]		
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Moderate
		Inflammation	Chronic, Mild
	[ Hyperplasia TGLS = 3-4 ]		
	[ Inflammation TGLS = 3-4 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 249

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 1000 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96745

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

---

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 250

TRT#: 7

SEX: Male

DAY ON TEST: 630

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 96746

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* 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
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Gallbladder	* Thymus
---------------	----------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCELLULAR CARCINOMAS ARE ON SLIDES 6 AND 21.			
[ Hepatocellular Carcinoma TGLS = 1-21 ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
[ Hepatocellular Carcinoma TGLS = 2-22,3-23 ]			
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 251

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 96747

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* 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	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Gallbladder	* Parathyroid Gland
---------------	---------------------

INSUFFICIENT TISSUE

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Intestine Large, Cecum		Developmental Malformation	
		Inflammation	Moderate
	[ Developmental Malformation TGLS = 5-23, 6-24 ]		
	[ Inflammation TGLS = 5-23,6-24 ]		
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Centrilobular	Necrosis	Minimal
	Note: HEPATOCELLULAR CARCINOMAS ARE PRESENT ON SLIDES 6 AND 21. HEPATOBLASTOMA AND HEPATOCELLULAR ADENOMAS ARE ON SLIDE 6.		
	[ Hepatocellular Carcinoma TGLS = 1-21 ]		
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Marked
	[ Ectasia TGLS = 2-8 ]		
	[ Inflammation TGLS = 3-8 ]		
* Spleen		Fibrosis	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 251

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 1000 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96747

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Hematopoietic Cell Proliferation

Moderate

Note: FIBROSIS ON SLIDE 22 IS AN ADHESION BETWEEN SPLEEN AND ABDOMINAL WALL.

[ Fibrosis TGLS = 4-22 ]

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 252

TRT#: 7

DOSE: 1000 MG/L

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 96748

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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
Penis	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Harderian Gland		Adenoma	
[ Adenoma TGLS = 15-12 ]			
* Kidney	Renal Tubule	Pigmentation	Moderate
* Liver		Eosinophilic Focus	
		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[ Hepatoblastoma TGLS = 12-27,13-28 ]			
[ Hepatocellular Adenoma TGLS = 8-23 ]			
[ Hepatocellular Carcinoma TGLS = 9-24,10-25,11-26 ]			
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Moderate
[ Hemorrhage TGLS = 14-3 ]			
[ Pigmentation TGLS = 14-3 ]			
* Lymph Node, Mandibular		Atrophy	Moderate
* Lymph Node, Mesenteric		Atrophy	Mild
Mesentery		Hepatoblastoma	Metastatic (Liver)
Note: METASTATIC HEPATOBLASTOMA IS PRESENT IN MESENTERY ON SLIDE 4 (ADJACENT TO CECUM AND ILEUM) AND SLIDE 22.			
[ Hepatoblastoma TGLS = 7-22 ]			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

---

<b>ANIMAL ID:</b> 252	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> 1000 MG/L	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 96748

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
* Preputial Gland	Duct	Ectasia	Marked
[ Ectasia TGLS = 1-8 ]			
Skeletal Muscle		Granular Cell Tumor Benign	
[ Granular Cell Tumor Benign TGLS = 3-21 ]			
* Spleen	Lymph Follic	Atrophy	Moderate
[ Hematopoietic Cell Proliferation TGLS = 5-6 ]			
* Stomach, Forestomach		Diverticulum	
	Epithelium	Hyperplasia	Squamous, Mild
[ Diverticulum TGLS = 6-29 ]			
[ Hyperplasia TGLS = 17-31,18-32 ]			
[ Squamous Cell Papilloma TGLS = 16-30 ]			
* Testes	Germinal Epith	Atrophy	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Mild

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 253

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 96749

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Heart
* 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	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Gallbladder	* Parathyroid Gland
---------------	---------------------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Harderian Gland		Adenoma	
[ Adenoma TGLS = 5-12 ]			
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Marked
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
Note: BASOPHILIC FOCUS IS ON SLIDE 22.			
			[ Hepatoblastoma TGLS = 1-21 ]
			[ Hepatocellular Adenoma TGLS = 2-22 ]
			[ Hepatocellular Carcinoma TGLS = 2-22,3-23,4-24 ]
* Lung		Hepatoblastoma	Metastatic (Liver)
* Preputial Gland	Duct	Ectasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 254

TRT#: 7

SEX: Male

DAY ON TEST: 397

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 96750

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Vacuolization Cytoplasmic	Marked
Note: THE HEPATOCELLULAR ADENOMAS ARE ON SLIDE 6.			
[ Hepatocellular Carcinoma TGLS = 1-21 ]			
* Preputial Gland	Duct	Ectasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular		Erosion	Mild
* Thyroid Gland	Follicle	Cyst	Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 255

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 96751

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple

Note: HEPATOCELLULAR CARCINOMA AND HEPATOBLASTOMA ALSO PRESENT ON SLIDE 6.

[ Hepatoblastoma TGLS = 3-23,4-24,6-25 ]

[ Hepatocellular Adenoma TGLS = 2-22,4-24 ]

[ Hepatocellular Carcinoma TGLS = 1-21, 5-6 ]

* Lymph Node, Mesenteric		Atrophy	Moderate
Mesentery	Fat	Necrosis	Mild
			[ Necrosis TGLS = 8-26 ]
* Preputial Gland	Duct	Ectasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Marked
			[ Hematopoietic Cell Proliferation TGLS = 7-6 ]
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Urinary Bladder		Edema	Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:14

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

**Lab:** SRI

---

**ANIMAL ID:** 255

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 1000 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96751

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 256

TRT#: 7

SEX: Male

DAY ON TEST: 681

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 96752

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

\* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric
-----------------------------	--------------------------	----------------------------	--------------------------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Inflammation	Chronic, Mild
		Mineralization	Mild
* Kidney		Infarct	
	Renal Tubule	Pigmentation	Marked
* Liver		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Necrosis	Focal, Mild
Note: HEPATOBLASTOMAS ARE PRESENT ON SLIDES 6, 21, AND 24.			
		[ Hepatoblastoma TGLS = 5-21,8-24 ]	
		[ Hepatocellular Adenoma TGLS = 7-23 ]	
		[ Hepatocellular Carcinoma TGLS = 6-22 ]	
* Lung		Hemorrhage	Mild
* Lymph Node, Mandibular		Atrophy	Moderate
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Chronic, Mild
* Skin		Edema	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 256	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 681
	<b>DOSE:</b> 1000 MG/L	<b>DISP:</b> Natural Death	<b>HISTO:</b> 96752

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Epidermis	Hyperplasia	Mild
	Ulcer	Marked
[ Edema TGLS = 1-8 ]		
[ Hyperplasia TGLS = 12-28,13-29 ]		
[ Ulcer TGLS = 11-27,12-28,13-29 ]		
* Spleen	Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 3-6 ]		
* Thymus	Atrophy	Moderate

---

PRIMARY CAUSE OF DEATH	- Liver	Hepatoblastoma
CONTRIBUTORY CAUSE OF DEATH	- Liver	Hepatocellular Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 257

TRT#: 7

SEX: Male

DAY ON TEST: 666

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 96753

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Adrenal Medulla	* Thymus
-------------------	----------

INSUFFICIENT TISSUE

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

OBSERVATIONS

* Kidney [ Nephropathy TGLS = 2-5 ]		Nephropathy	Minimal
* Liver		Hepatoblastoma Hepatocellular Carcinoma	Multiple
Note: HEPATOCELLULAR CARCINOMAS ARE ON SLIDES 6 AND 21. [ Hepatocellular Carcinoma TGLS = 1-21 ]			
* Preputial Gland	Duct	Ectasia Inflammation	Mild Chronic, Mild
* Spleen	Lymph Follic	Hematopoietic Cell Proliferation Hyperplasia	Mild Mild
* Stomach, Glandular [ Erosion TGLS = 3-22 ]		Erosion	Moderate

PRIMARY CAUSE OF DEATH	- Liver	Hepatocellular Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Liver	Hepatoblastoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 258

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 96754

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hemangiosarcoma	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Note: HEPATOCELLULAR ADENOMA AND HEPATOCELLULAR CARCINOMA ARE PRESENT ON SLIDES 6 AND 21.			
[ Hepatocellular Adenoma TGLS = 1-21 ]			
[ Hepatocellular Carcinoma TGLS = 1-21, UPL ]			
* Lung		Thrombosis	Minimal
* Preputial Gland	Duct	Ectasia	Mild
		Foreign Body	
		Granuloma	Marked
[ Granuloma TGLS = 2-8 ]			
* Seminal Vesicle		Degeneration	Mild
[ Degeneration TGLS = 3-7 ]			
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 259

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 96755

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Gallbladder	* Thymus
---------------	----------

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum
----------------------------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Esophagus			
Note: ESOPHAGUS IS MODERATELY DILATED (TGL 6); MORPHOLOGY UNAVAILABLE ON TDMS.			
* Kidney		Hydronephrosis	Mild
		Infarct	
	Renal Tubule	Pigmentation	Marked
* Liver		Hepatoblastoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Centrilobular	Necrosis	Mild
[ Hepatoblastoma TGLS = 2-21,3-6 ]			
[ Hepatocellular Carcinoma TGLS = 2-21,3-6 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 4-23 ]			
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Mild
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:14

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

**Lab:** SRI

---

**ANIMAL ID:** 259

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 726

**DOSE:** 1000 MG/L

**DISP:** Natural Death

**HISTO:** 96755

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Spleen

Hematopoietic Cell Proliferation

Marked

---

PRIMARY CAUSE OF DEATH

- Liver Hepatoblastoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 261

TRT#: 7

SEX: Male

DAY ON TEST: 706

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 96757

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* 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, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

\* Adrenal Medulla

INSUFFICIENT TISSUE

\* Bone Marrow

OBSERVATIONS

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Note: HEPATOCELLULAR ADENOMAS ARE ON SLIDES 6, 23, AND 26.			
[ Eosinophilic Focus TGLS = 5-25, 9-26 ]			
[ Hepatocellular Adenoma TGLS = 3-23, 2-21 ]			
[ Hepatocellular Carcinoma TGLS = 4-24 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
		Infiltration Cellular	Histiocyte, Moderate
[ Alveolar/Bronchiolar Carcinoma TGLS = 6-2 ]			
* Lymph Node, Mesenteric		Atrophy	Moderate
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Moderate
[ Ectasia TGLS = 1-8 ]			
[ Inflammation TGLS = 1-8 ]			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 261	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 706
	<b>DOSE:</b> 1000 MG/L	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 96757

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Mild

---

PRIMARY CAUSE OF DEATH	- Lung	Alveolar/Bronchiolar Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Liver	Hepatocellular Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 262

TRT#: 7

SEX: Male

DAY ON TEST: 712

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 96758

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* 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
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Trachea	* Urinary Bladder	

INSUFFICIENT TISSUE

\* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Brain		Hemorrhage	Marked
	[ Hemorrhage TGLS = 8-1 ]		
* Gallbladder			
	Note: GALLBLADDER IS ON SLIDE 6-1.		
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[ Hepatocellular Adenoma TGLS = 4-6,9-23 ]		
	[ Hepatocellular Carcinoma TGLS = 3-21 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
	[ Alveolar/Bronchiolar Carcinoma TGLS = 5-2 ]		
	[ Hepatocellular Carcinoma TGLS = 6-22 ]		
* Lymph Node, Mandibular		Atrophy	Moderate
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Chronic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 262

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 712

**DOSE:** 1000 MG/L

**DISP:** Natural Death

**HISTO:** 96758

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Ectasia TGLS = 1-8 ]

[ Inflammation TGLS = 1-8 ]

* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
* Testes	Germinal Epith	Atrophy	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Carcinoma	

[ Carcinoma TGLS = 7-3 ]

---

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Lung Alveolar/Bronchiolar Carcinoma;Thyroid Gland Follicular Cel Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 263

TRT#: 7

SEX: Male

DAY ON TEST: 706

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 96759

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	Spinal Cord	* Stomach, Forestomach	* Testes
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Minimal
	[ Nephropathy TGLS = 6-5 ]		
* Liver		Hemangiosarcoma	
		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
	[ Hepatoblastoma TGLS = 4-21 ]		
	[ Hepatocellular Carcinoma TGLS = 5-22 ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Atrophy	Mild
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
Peripheral Nerve		Atrophy	Minimal
* Preputial Gland	Duct	Ectasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Marked
	[ Hematopoietic Cell Proliferation TGLS = 3-6 ]		
* Stomach, Glandular		Erosion	Moderate
	[ Erosion TGLS = 9-23 ]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 263

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 706

**DOSE:** 1000 MG/L

**DISP:** Moribund Sacrifice

**HISTO:** 96759

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatoblastoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 264

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 96760

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Bone Marrow		Hyperplasia	Mild
* Harderian Gland		Adenoma	
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Necrosis	Focal, Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Marked
Note: HEPATOBLASTOMA IS ON SLIDES 6 AND 21.			
		[ Clear Cell Focus TGLS = 3-6 ]	
		[ Eosinophilic Focus TGLS = 3-6 ]	
		[ Hepatoblastoma TGLS = 1-21 ]	
		[ Hepatocellular Adenoma TGLS = 3-6 ]	
		[ Hepatocellular Carcinoma TGLS = 2-22 ]	
		[ Necrosis TGLS = 3-6 ]	
* Lung		Hepatoblastoma	Metastatic (Liver)
		Hyperplasia	Lymphoid, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:14

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

**Lab:** SRI

---

**ANIMAL ID:** 264

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 1000 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96760

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
* Preputial Gland	Duct	Ectasia	Moderate
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Testes	Germinal Epith	Atrophy	Moderate

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 265

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 96761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Bone [ Osteopetrosis TGLS = 3-22 ]	Cranium	Osteopetrosis	Mild
* Lung [ Alveolar/Bronchiolar Adenoma TGLS = 2-21 ]		Alveolar/Bronchiolar Adenoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Hyperplasia	Lymphoid, Mild
* Uterus [ Hyperplasia TGLS = 1-7 ]	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 266

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 96762

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Intestine Small, Duodenum		Adenoma	
[ Adenoma TGLS = 6-22 ]			
* Kidney		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 4-5 ]			
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Lymphoma Malignant	
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[ Clear Cell Focus TGLS = 9-24 ]			
[ Hepatocellular Adenoma TGLS = 8-6,10-25,13-27 ]			
[ Hepatocellular Carcinoma TGLS = 11-26 ]			
* Lung		Lymphoma Malignant	
Lymph Node	Mediastinal	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 12-3 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	

Note: MALIGNANT LYMPHOMA PRESENT ON SLIDES 5 AND 23.

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 266

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96762

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Lymphoma Malignant TGLS = 7-23 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 5-21 ]			
* Ovary		Cyst	Moderate
[ Cyst TGLS = 2-7 ]			
* Pancreas		Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant	
[ Hematopoietic Cell Proliferation TGLS = 3-6 ]			
[ Lymphoma Malignant TGLS = 3-6 ]			
* Thymus		Lymphoma Malignant	
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 267

TRT#: 2

SEX: Female

DAY ON TEST: 506

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 96763

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	Ear	* Esophagus
* Eye	* Gallbladder	* 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, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland	* Salivary Glands
Skeletal Muscle	* Skin	Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Liver		Hematopoietic Cell Proliferation	Mild
* Lung		Sarcoma	Metastatic (Uncertain Primary Site)
* Lymph Node, Mesenteric		Hemorrhage	Moderate
		Hyperplasia	Lymphoid, Mild
[ Hemorrhage TGLS = 1-5 ]			
Mesentery		Sarcoma	Metastatic (Uncertain Primary Site)
[ Sarcoma TGLS = 7-22 ]			
* Ovary		Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 6-6 ]			
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
Tissue NOS		Sarcoma	Metastatic (Uncertain Primary Site)
[ Sarcoma TGLS = 4-21,8-23 ]			
* Urin Bladder			
Note: INFUSION ARTIFACT IN URINARY BLADDER.			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 3-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 268

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96764

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Kidney		Lymphoma Malignant	
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Marked
	[ Alveolar/Bronchiolar Carcinoma TGLS = 5-21 ]		
	[ Hyperplasia TGLS = 6-22 ]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
	Lymph Follic	Hyperplasia	Mild
	[ Hematopoietic Cell Proliferation TGLS = 3-6 ]		
	[ Hyperplasia TGLS = 3-6 ]		
* Thymus		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 4-3 ]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hyperplasia TGLS = 2-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 269

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96765

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Lymph Node, Mandibular		Hemorrhage	Minimal
* Spleen	Lymph Follic	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Urin Bladder			
Note: INFUSION ARTIFACT IN URINARY BLADDER.			
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7,2-7,3-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

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: 737

HISTO: 96766

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Kidney		Inflammation	Chronic, Mild
* Liver		Eosinophilic Focus	
		Infiltration Cellular	Mixed Cell, Mild
	[ Eosinophilic Focus TGLS = 2-6 ]		
* Ovary		Cyst	Moderate
	[ Cyst TGLS = 3-7 ]		
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Moderate
	[ Hyperplasia TGLS = 4-4 ]		
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
	[ Hyperplasia TGLS = 1-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 271	<b>TRT#:</b> 2 <b>DOSE:</b> 0 MG/L	<b>SEX:</b> Female <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 645 <b>HISTO:</b> 96767
-----------------------	---------------------------------------	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Thymus Note: THYMUS IS ON SLIDE 24.			
* Thyroid Gland [ Carcinoma TGLS = 7-3 ]	C Cell Follicle	Carcinoma Degeneration	Focal, Mild
* Uterus [ Hyperplasia TGLS = 5-7 ]	Endometrium	Hyperplasia	Cystic, Moderate

---

PRIMARY CAUSE OF DEATH	- Thyroid Gland C Cell Carcinoma
------------------------	----------------------------------

---

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 272

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96768

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver [ Hepatocellular Adenoma TGLS = 3-6 ]		Hepatocellular Adenoma	
* Lung		Hyperplasia	Lymphoid, Mild
* Ovary [ Cyst TGLS = 2-7 ]		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Lymphoma Malignant	
* Uterus [ Hyperplasia TGLS = 1-7 ]	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 273

TRT#: 2

SEX: Female

DAY ON TEST: 724

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 96769

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

\* Ovary

AUTO PRECLUDES DIAG.

\* Gallbladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Liver		Hemorrhage	Marked
	Hepatocyte	Hyperplasia	Nodular, Mild
		Lymphoma Malignant	
		Necrosis	Focal, Marked
[ Hyperplasia TGLS = 8-6 ]			
[ Lymphoma Malignant TGLS = 8-6 ]			
[ Necrosis TGLS = 7-6 ]			
Lymph Node	Deep Cervical	Lymphoma Malignant	
	Iliac	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 3-21 ]			
[ Lymphoma Malignant TGLS = 5-22 ]			
[ Lymphoma Malignant TGLS = 9-24 ]			
[ Lymphoma Malignant TGLS = 10-25 ]			
* Lymph Node, Mesenteric		Lymphoma Malignant	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 273

**TRT#:** 2  
**DOSE:** 0 MG/L

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 724  
**HISTO:** 96769

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Lymphoma Malignant TGLS = 4-5,6-23 ]

* Pancreas	Lymphoma Malignant
* Salivary Glands	Lymphoma Malignant
* Spleen	Lymphoma Malignant

[ Lymphoma Malignant TGLS = 1-6 ]

* Uterus	Endometrium	Hyperplasia	Cystic, Marked
----------	-------------	-------------	----------------

[ Hyperplasia TGLS = 2-7 ]

---

**PRIMARY CAUSE OF DEATH** - Spleen Lymphoma Malignant

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 275

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 696

HISTO: 96771

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Eye		Atrophy	Marked
		Carcinoma	Metastatic (Harderian Gland)
* Harderian Gland		Carcinoma	
[ Carcinoma TGLS = 7-23 ]			
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Moderate
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
		Necrosis	Focal, Mild
[ Hepatocellular Adenoma TGLS = 5-21,6-22 ]			
* Ovary		Cyst	Moderate
[ Cyst TGLS = 1-7 ]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 3-6 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 2-7 ]			

PRIMARY CAUSE OF DEATH - Harderian Gland Carcinoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 276

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96772

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Eye	* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Clitoral Gland	* Harderian Gland
------------------	-------------------

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Adrenal Medulla		Pheochromocytoma Complex	
* Ovary		Cyst	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
	Follicular Cel	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

[ Hyperplasia TGLS = 1-7 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

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: 737

HISTO: 96774

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Liver		Hepatocellular Adenoma Lymphoma Malignant	Multiple
Note: HEPATOCELLULAR ADENOMAS PRESENT ON SLIDES 6, 21, AND 22. [ Hepatocellular Adenoma TGLS = 3-21,4-22 ]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
[ Hyperplasia TGLS = 5-23 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Ovary		Cyst	Moderate
[ Cyst TGLS = 2-7 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Salivary Glands		Hyperplasia	Lymphoid, Moderate
* Spleen		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 1-6 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 280

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96776

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

\* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Islets, Pancreatic		Adenoma	
* Liver		Eosinophilic Focus	
		Infiltration Cellular	Mixed Cell, Moderate
[ Infiltration Cellular TGLS = 5-6 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	
Mesentery	Fat	Necrosis	Marked
		Sarcoma	
[ Necrosis TGLS = 3-21 ]			
[ Sarcoma TGLS = 3-21 ]			
* Ovary		Angiectasis	Moderate
		Cyst	Moderate
[ Cyst TGLS = 1-7 ]			
* Skin	Subcut Tiss	Sarcoma	
[ Sarcoma TGLS = 7-22 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[ Hematopoietic Cell Proliferation TGLS = 4-6 ]			
* Thymus		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 6-3 ]			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 280

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 0 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96776

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urin Bladder

Note: INFUSION ARTIFACT IN URINARY BLADDER.

\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

[ Hyperplasia TGLS = 2-7 ]

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 281

TRT#: 2

SEX: Female

DAY ON TEST: 390

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 96777

**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	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* 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		

**AUTO PRECLUDES DIAG.**

\* Gallbladder

**OBSERVATIONS**

\* Urin Bladder

Note: INFUSION ARTIFACT IN URINARY BLADDER.

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

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: 728

HISTO: 96778

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum
--------------------------	-----------------------------

OBSERVATIONS

* Adrenal Medulla [ Pheochromocytoma Malignant TGLS = 3-21 ]		Pheochromocytoma Malignant	
* Bone Marrow		Hyperplasia	Mild
* Harderian Gland		Carcinoma	
* Intestine Small, Ileum Note: ILEUM IS ON SLIDE 5.		Histiocytic Sarcoma	
* Liver  [ Hepatocellular Adenoma TGLS = 5-23 ] [ Hepatocellular Carcinoma TGLS = 4-22 ]		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
* Lung		Hemorrhage	Moderate
* Lymph Node, Mesenteric [ Histiocytic Sarcoma TGLS = 6-5 ]		Histiocytic Sarcoma	
* Ovary		Angiectasis	Moderate
* Spleen [ Hematopoietic Cell Proliferation TGLS = 2-6 ]		Hematopoietic Cell Proliferation	Moderate
* Thymus		Hyperplasia	Lymphoid, Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
* Uterus [ Hyperplasia TGLS = 1-7 ]	Endometrium	Hyperplasia	Cystic, Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**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:** 728  
**HISTO:** 96778

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

CONTRIBUTORY CAUSE OF DEATH

- Adrenal Medulla Pheochromocytoma Malignant;Harderian Gland Carcinoma;Liver Hepatocellular Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 285

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96781

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Intestine Large, Cecum	* Ovary	* Parathyroid Gland
--------------------------	---------	---------------------

OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
Note: HEPATOCELLULAR ADENOMAS PRESENT ON SLIDES 6 AND 22.			
			[ Eosinophilic Focus TGLS = 2-22 ]
			[ Hepatocellular Adenoma TGLS = 2-22 ]
			[ Hepatocellular Carcinoma TGLS = 2-22 ]
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
			[ Hyperplasia TGLS = 1-7 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 286

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96782

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Kidney	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea		

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Intestine Small, Jejunum		Carcinoma	
[ Carcinoma TGLS = 11-23 ]			
* Liver		Hepatocellular Carcinoma	
	Kupffer Cell	Hyperplasia	Moderate
[ Hepatocellular Carcinoma TGLS = 1-21 ]			
[ Hyperplasia TGLS = 2-6 ]			
* Lung		Lymphoma Malignant	
Lymph Node	Iliac	Ectasia	Marked
	Iliac	Hyperplasia	Lymphoid, Moderate
	Inguinal	Hyperplasia	Lymphoid, Mild
	Renal	Hyperplasia	Lymphoid, Moderate
	Mediastinal	Lymphoma Malignant	
[ Ectasia TGLS = 9-22 ]			
[ Hyperplasia TGLS = 5-8 ]			
[ Lymphoma Malignant TGLS = 6-3,9-22,10-24 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Angiectasis	Marked
		Cyst	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 286	<b>TRT#:</b> 2 <b>DOSE:</b> 0 MG/L	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 735 <b>HISTO:</b> 96782
-----------------------	---------------------------------------	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Angiectasis TGLS = 8-7 ]			
* Skin	Subcut Tiss	Hemangioma	
Note: HEMANGIOMA IS ON SLIDE 8 IN REGULAR SKIN SECTION.			
* Spleen		Hematopoietic Cell Proliferation Lymphoma Malignant	Moderate
[ Hematopoietic Cell Proliferation TGLS = 4-5 ]			
[ Lymphoma Malignant TGLS = 4-5 ]			
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 7-7 ]			

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 287

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96783

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Liver		Eosinophilic Focus	
[ Eosinophilic Focus TGLS = 3-22 ]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 290

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96786

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Ovary		Angiectasis	Moderate
	Thecal Cell	Hyperplasia	Mild
* Stomach, Forestomach		Diverticulum	
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 291

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96787

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 5-22,6-23,7-24 ]			
Lymph Node	Iliac	Ectasia	Mild
[ Ectasia TGLS = 3-21 ]			
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Minimal
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen	Lymph Follic	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7,2-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 292

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 96788

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	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Small, Jejunum
---------------	----------------------------

OBSERVATIONS

* Adren Cortex			
Note: CONGESTION OF ADRENAL CORTEX; CONSIDERED AGONAL CHANGE AND NOT TABULATED.			
* Bone Marrow		Hyperplasia	Moderate
* Liver		Hepatocellular Carcinoma	
[ Hepatocellular Carcinoma TGLS = 2-22 ]			
* Mammary Gland		Carcinoma	
		Hyperplasia	Moderate
[ Carcinoma TGLS = 1-21 ]			
* Ovary		Angiectasis	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-1 ]			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Glandular		Erosion	Minimal
* Uterus		Angiectasis	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
Note: CYSTIC HYPERPLASIA IS ON SLIDES 7 AND 23.			
[ Angiectasis TGLS = 4-23 ]			
[ Hyperplasia TGLS = 4-23 ]			

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 292

**TRT#:** 2  
**DOSE:** 0 MG/L

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 728  
**HISTO:** 96788

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Carcinoma; Pituitary Gland Pars Distalis Adenoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 295

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96791

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Intestine Small, Jejunum [ Hyperplasia TGLS = 7-3 ]		Hyperplasia	Lymphoid, Mild
* Liver  [ Hepatocellular Adenoma TGLS = 1-21,3-22 ] [ Hepatocellular Carcinoma TGLS = 4-23 ]		Hepatocellular Adenoma Hepatocellular Carcinoma Infiltration Cellular	Multiple  Mixed Cell, Mild
Lymph Node [ Hyperplasia TGLS = 8-25 ]	Renal	Hyperplasia	Lymphoid, Moderate
* Lymph Node, Mandibular Mesentery [ Necrosis TGLS = 5-24 ]	Fat	Hyperplasia Necrosis	Lymphoid, Mild Marked
* Pituitary Gland	Pars Distalis Pars Distalis	Cyst Hyperplasia	Moderate Focal, Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen  [ Hematopoietic Cell Proliferation TGLS = 2-6 ] [ Hyperplasia TGLS = 2-6 ]	Lymph Follic	Hematopoietic Cell Proliferation Hyperplasia	Mild Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 295

**TRT#:** 2  
**DOSE:** 0 MG/L

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 736  
**HISTO:** 96791

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

\* Thyroid Gland

Follicular Cel

Adenoma

Multiple

\* Uterus

Endometrium

Hyperplasia

Cystic, Marked

[ Hyperplasia TGLS = 6-7 ]

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 296

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96792

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Mammary Gland	Mesentery	* Nose	* Pancreas
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

INSUFFICIENT TISSUE

\* Ovary

OBSERVATIONS

* Kidney		Infarct	
* Liver		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 1-21 ]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Salivary Glands		Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Lymphoma Malignant	
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[ Hyperplasia TGLS = 2-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 297

TRT#: 2

SEX: Female

DAY ON TEST: 340

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 96793

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	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

AUTO PRECLUDES DIAG.

\* Gallbladder

INSUFFICIENT TISSUE

\* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Lymphoma Malignant	
* Bone Marrow		Hyperplasia	Marked
* Kidney		Lymphoma Malignant	
* Liver	Hepatocyte	Lymphoma Malignant	
		Vacuolization Cytoplasmic	Moderate
	[ Lymphoma Malignant TGLS = 3-6 ]		
	[ Vacuolization Cytoplasmic TGLS = 3-6 ]		
* Lung		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 1-8 ]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 5-22 ]		
* Pancreas		Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 2-21 ]		
* Thymus		Lymphoma Malignant	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 297

**TRT#:** 2  
**DOSE:** 0 MG/L

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 340  
**HISTO:** 96793

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thyroid Gland  
\* Urinary Bladder  
\* Uterus

Follicle

Degeneration  
Lymphoma Malignant  
Lymphoma Malignant

Focal, Mild

---

**PRIMARY CAUSE OF DEATH**

- Spleen Lymphoma Malignant

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 300

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96796

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* 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	* Ovary
* Pancreas	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Liver		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 2-22 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Lymphoma Malignant	
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 301

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96797

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

\* Thymus

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Kidney		Casts Granular	Mild
		Infarct	
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 2-6 ]		
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hyperplasia TGLS = 1-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 302

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 96798

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* 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	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Brain		Compression	Marked
[ Compression TGLS = 5-1 ]			
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[ Hepatocellular Carcinoma TGLS = 1-21 ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
		Metaplasia	Osseous, Minimal
* Lymph Node, Mandibular		Atrophy	Moderate
* Lymph Node, Mesenteric		Atrophy	Moderate
		Hemorrhage	Mild
* Ovary		Cystadenoma	
[ Cystadenoma TGLS = 4-7 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 6-1 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 2-6 ]			
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 3-7 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 302

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 0 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96798

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 303

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96799

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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
* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea			

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Inflammation	Chronic, Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[ Eosinophilic Focus TGLS = 9-26 ]			
[ Hepatocellular Adenoma TGLS = 2-21,3-22,4-23 ]			
Lymph Node	Iliac	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 7-24 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
* Ovary		Cystadenoma	
[ Cystadenoma TGLS = 5-7 ]			
* Pancreas		Lymphoma Malignant	
* Salivary Glands		Hyperplasia	Lymphoid, Moderate
* Skin	Subcut Tiss	Fibrous Histiocytoma	
[ Fibrous Histiocytoma TGLS = 8-25 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
[ Hematopoietic Cell Proliferation TGLS = 1-6 ]			
[ Lymphoma Malignant TGLS = 1-6 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 303

**TRT#:** 2  
**DOSE:** 0 MG/L

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 734  
**HISTO:** 96799

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 6-7 ]			

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 304

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96800

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Uterus			

OBSERVATIONS

* Kidney		Inflammation	Chronic, Moderate
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: HEPATOCELLULAR ADENOMAS ARE PRESENT ON SLIDES 6 AND 22.			
* Ovary		Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
	Lymph Follic	Hyperplasia	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
	Follicular Cel	Hyperplasia	Moderate
* Urinary Bladder		Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 305

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 96801

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Mild
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
[ Eosinophilic Focus TGLS = 8-24 ]			
[ Hepatocellular Adenoma TGLS = 6-22 ]			
Lymph Node	Renal	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 3-23 ]			
* Lymph Node, Mandibular		Pigmentation	Moderate
* Lymph Node, Mesenteric		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 2-21 ]			
* Ovary		Angiectasis	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant	
[ Hematopoietic Cell Proliferation TGLS = 7-6 ]			
[ Lymphoma Malignant TGLS = 7-6 ]			
* Thymus		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 5-3 ]			
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 305

**TRT#:** 2  
**DOSE:** 0 MG/L

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 736  
**HISTO:** 96801

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Uterus  
[ Hyperplasia TGLS = 4-7 ]

Endometrium

Hyperplasia

Cystic, Mild

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 306

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 96802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Infarct	
* Lung		Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Moderate
	[ Alveolar/Bronchiolar Carcinoma TGLS = 3-22 ]		
* Spleen		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Moderate
	[ Hemangiosarcoma TGLS = 2-21 ]		
* Thymus		Hyperplasia	Lymphoid, Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hyperplasia TGLS = 1-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 307

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96803

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Liver		Hepatocellular Carcinoma	
[ Hepatocellular Carcinoma TGLS = 1-21 ]			
* Ovary			
Note: FOCUS OF PIGMENTATION (HEMOSIDERIN) AND MINERALIZATION IN ONE OVARY; CONSIDERED INCIDENTAL AND NOT TABULATED.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Skin	Subcut Tiss	Hemangioma	
[ Hemangioma TGLS = 3-22 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 2-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 308

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96804

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Compression	Moderate
[ Compression TGLS = 8-1 ]			
* Clitoral Gland		Cyst	Moderate
[ Cyst TGLS = 2-8 ]			
* Heart		Thrombosis	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Renal Tubule	Infarct	
		Necrosis	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCELLULAR CARCINOMAS ARE ON SLIDES 6 AND 21.			
[ Hepatocellular Carcinoma TGLS = 5-21 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
[ Alveolar/Bronchiolar Carcinoma TGLS = 7-23 ]			
* Mammary Gland		Hyperplasia	Mild
[ Hyperplasia TGLS = 1-8 ]			
* Ovary		Cyst	Moderate
[ Cyst TGLS = 4-7 ]			
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 9-1 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 308	<b>TRT#:</b> 2 <b>DOSE:</b> 0 MG/L	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 736 <b>HISTO:</b> 96804
-----------------------	---------------------------------------	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland [ Hyperplasia TGLS = 6-3 ]	Follicular Cel	Hyperplasia	Marked
* Uterus [ Hyperplasia TGLS = 3-7 ]	Endometrium	Hyperplasia	Cystic, Mild

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 310

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 96806

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Gallbladder	* Pituitary Gland
---------------	-------------------

INSUFFICIENT TISSUE

* Clitoral Gland
------------------

OBSERVATIONS

* Harderian Gland [ Adenoma TGLS = 4-12 ]	Adenoma	Multiple
* Islets, Pancreatic	Hyperplasia	Mild
* Liver	Angiectasis	Moderate
	Basophilic Focus	
	Eosinophilic Focus	
Note: BASOPHILIC FOCUS IS ON SLIDE 21. [ Angiectasis TGLS = 6-24 ] [ Eosinophilic Focus TGLS = 3-6 ] [ Hepatocellular Adenoma TGLS = 2-21,7-22 ]	Hepatocellular Adenoma	Multiple
* Mammary Gland	Hyperplasia	Mild
* Salivary Glands	Hyperplasia	Lymphoid, Mild
* Spleen	Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicle	Focal, Mild
* Uterus	Endometrium	Cystic, Mild
	Polyp Stromal	
[ Hyperplasia TGLS = 1-7 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:14

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

**Lab:** SRI

---

**ANIMAL ID:** 310

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 736

**DOSE:** 0 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96806

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Polyp Stromal TGLS = 5-23 ]

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 311

**TRT#:** 2  
**DOSE:** 0 MG/L

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 700  
**HISTO:** 96807

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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	* Skin
* Trachea	* Uterus		

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Moderate
		Lymphoma Malignant	
* Harderian Gland		Lymphoma Malignant	
* Heart		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
* Liver		Lymphoma Malignant	
* Lung		Lymphoma Malignant	
Note: LESIONS ON SLIDE 21 INVOLVE MEDIASTINAL ASPECT OF THE LUNG.			
[ Lymphoma Malignant TGLS = 4-21,5-2 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Cyst	Moderate
[ Cyst TGLS = 2-7 ]			
* Pancreas		Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant	
[ Hematopoietic Cell Proliferation TGLS = 1-6 ]			
[ Lymphoma Malignant TGLS = 1-6 ]			
* Stomach, Forestomach		Lymphoma Malignant	
* Stomach, Glandular		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 311

**TRT#:** 2  
**DOSE:** 0 MG/L

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 700  
**HISTO:** 96807

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Follicular Cel

Hyperplasia  
Lymphoma Malignant

Mild

---

\* Urinary Bladder

PRIMARY CAUSE OF DEATH

- Spleen Lymphoma Malignant

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 312

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 96808

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Eye	* Gallbladder	* 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	* Pancreas
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

\* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone Marrow		Hyperplasia	Moderate
		Lymphoma Malignant	
* Kidney		Casts Granular	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Lymphoma Malignant	
	[ Eosinophilic Focus TGLS = 6,UPLB ]		
	[ Hepatocellular Adenoma TGLS = UPLA ]		
	[ Lymphoma Malignant TGLS = 1-6,3-21 ]		
Lymph Node	Pancreatic	Lymphoma Malignant	
Note: MALIGNANT LYMPHOMA OBSERVED INCIDENTALLY IN PANCREATIC LYMPH NODE (SLIDE 7).			
* Lymph Node, Mandibular		Pigmentation	Moderate
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 312

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 736

**DOSE:** 0 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96808

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLS = 2-7 ]

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 313

TRT#: 2

SEX: Female

DAY ON TEST: 531

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 96809

**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	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**AUTO PRECLUDES DIAG.**

* Gallbladder	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Pancreas	* Spleen	

**OBSERVATIONS**

\* Urin Bladder

Note: INFUSION ARTIFACT IN URINARY BLADDER.

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 315

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96811

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia	Moderate Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma Mixed Cell Focus	Multiple
	[ Hepatocellular Adenoma TGLS = 1-21,2-6 ]		
	[ Mixed Cell Focus TGLS = 6-24 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[ Alveolar/Bronchiolar Adenoma TGLS = 5-23 ]		
* Lymph Node, Mandibular		Pigmentation	Moderate
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Minimal
* Mammary Gland		Carcinoma	
	[ Carcinoma TGLS = 4-22 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 3-6 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 317

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 609

HISTO: 96813

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone Marrow		Hyperplasia	Marked
* Esophagus			
Note: MODERATE EDEMA IN SUBMUCOSA OF ESOPHAGUS; MORPHOLOGY NOT AVAILABLE ON TDMS.			
* Harderian Gland		Inflammation	Chronic, Moderate
* Heart		Carcinoma	Metastatic (Pancreas)
[ Carcinoma TGLS = 8-24 ]			
* Liver		Carcinoma	Metastatic (Pancreas)
		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Carcinoma	
[ Hepatocellular Carcinoma TGLS = 3-23 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Carcinoma	Metastatic (Pancreas)
[ Alveolar/Bronchiolar Carcinoma TGLS = 4-2,4-25 ]			
Lymph Node	Mediastinal	Carcinoma	Metastatic (Pancreas)
[ Carcinoma TGLS = 5-3 ]			
* Lymph Node, Mesenteric		Atrophy	Moderate
Mesentery		Carcinoma	Metastatic (Pancreas)
[ Carcinoma TGLS = 1-21 ]			
* Pancreas	Acinus	Carcinoma	
	Acinus	Cytoplasmic Alteration	Moderate
Skeletal Muscle		Carcinoma	Metastatic (Pancreas)

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 317	<b>TRT#:</b> 2 <b>DOSE:</b> 0 MG/L	<b>SEX:</b> Female <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 609 <b>HISTO:</b> 96813
-----------------------	---------------------------------------	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Carcinoma TGLS = 2-22,9-26 ]			
* Spleen	Lymph Follic	Atrophy Hematopoietic Cell Proliferation	Moderate Marked
* Stomach, Glandular		Carcinoma	Metastatic (Pancreas)
* Thymus		Atrophy	Moderate

---

PRIMARY CAUSE OF DEATH	- Pancreas Acinus Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocellular Carcinoma;Lung Alveolar/Bronchiolar Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

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: 96814

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

\* Clitoral Gland

OBSERVATIONS

* Bone		Fibrosis	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 2-23,4-22 ]	Vacuolization Cytoplasmic	Moderate
	[ Hepatocellular Carcinoma TGLS = 1-21 ]		
* Ovary		Amyloid Deposition	Moderate
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hyperplasia TGLS = 3-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 320

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96816

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Infarct	
		Metaplasia	Osseous, Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[ Hepatocellular Adenoma TGLS = 2-22,3-23 ]			
[ Hepatocellular Carcinoma TGLS = 1-21 ]			
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Hyperplasia	Lymphoid, Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[ Polyp Stromal TGLS = 4-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

**ANIMAL ID:** 321

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 271

**DOSE:** 0 MG/L

**DISP:** Natural Death

**HISTO:** 96817

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- \* Adrenal Cortex
- \* Brain
- \* Heart
- \* Intestine Small, Duodenum
- \* Liver
- \* Mammary Gland
- \* Parathyroid Gland
- \* Spleen
- \* Thyroid Gland

- \* Adrenal Medulla
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea

- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Ovary
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder

- \* Bone Marrow
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Kidney
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skin
- \* Thymus
- \* Uterus

**MISSING**

- \* Clitoral Gland

**AUTO PRECLUDES DIAG.**

- \* Gallbladder
- \* Intestine Small, Ileum

**OBSERVATIONS**

Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-21 ]			

**PRIMARY CAUSE OF DEATH** - UNCERTAIN

Animal Note: BLUISH VACUOLES WITHIN SEVERAL TISSUES; CONSIDERED TO BE A FIXATION ARTIFACT.

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 322

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96818

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Lung		Alveolar/Bronchiolar Carcinoma Infiltration Cellular	Histiocyte, Moderate
[ Alveolar/Bronchiolar Carcinoma TGLS = 4-22 ]			
* Lymph Node, Mandibular		Pigmentation	Moderate
* Lymph Node, Mesenteric		Hemorrhage	Marked
		Hyperplasia	Lymphoid, Mild
[ Hemorrhage TGLS = 2-21 ]			
* Ovary		Cyst	Moderate
[ Cyst TGLS = 3-7 ]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
[ Hematopoietic Cell Proliferation TGLS = 1-6 ]			
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
	Follicular Cel	Hyperplasia	Minimal

Note: SMALL FOCUS OF GRANULOMATOUS INFLAMMATION IN THYROID GLAND; CONSIDERED INCIDENTAL AND NOT TABULATED.

\* Urin Bladder

Note: INFUSION ARTIFACT IN URINARY BLADDER.

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 323

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96819

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * 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, Mandibular |
| * Lymph Node, Mesenteric   | * Mammary Gland           | * Nose                      | * Ovary                  |
| * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           | * Skin                   |
| * Stomach, Forestomach     | * Stomach, Glandular      | * Thyroid Gland             | * Trachea                |
| * Urinary Bladder          |                           |                             |                          |

OBSERVATIONS

- |  |             |                                  |                    |
|--|-------------|----------------------------------|--------------------|
| * Kidney                               |             | Infarct                          |                    |
| * Liver                                |             | Hepatocellular Adenoma           |                    |
| [ Hepatocellular Adenoma TGLS = 2-22 ] |             |                                  |                    |
| Mesentery                              | Fat         | Necrosis                         | Marked             |
| [ Necrosis TGLS = 1-21 ]               |             |                                  |                    |
| * Salivary Glands                      |             | Hyperplasia                      | Lymphoid, Mild     |
| * Spleen                               |             | Hematopoietic Cell Proliferation | Mild               |
| * Thymus                               |             | Hyperplasia                      | Lymphoid, Moderate |
| * Uterus                               | Endometrium | Hyperplasia                      | Cystic, Marked     |
| [ Hyperplasia TGLS = 3-7,4-7 ]         |             |                                  |                    |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

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: 96821

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Trachea

OBSERVATIONS

* Liver		Clear Cell Focus Eosinophilic Focus Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 3-22 ]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Pigmentation	Moderate
* Lymph Node, Mesenteric		Ectasia	Moderate
		Hemorrhage	Mild
[ Ectasia TGLS = 6-23 ]			
[ Hemorrhage TGLS = 6-23 ]			
Mesentery	Fat	Necrosis	Minimal
[ Necrosis TGLS = 2-21 ]			
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Angiectasia	Minimal
	Pars Distalis	Hyperplasia	Focal, Minimal
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Inflammation	Chronic, Mild
[ Hyperplasia TGLS = 7-25 ]			
[ Inflammation TGLS = 7-25 ]			
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Urinary Bladder		Inflammation	Chronic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 325

**TRT#:** 2  
**DOSE:** 0 MG/L

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 735  
**HISTO:** 96821

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Uterus [ Hyperplasia TGLS = 5-7 ]	Endometrium	Hyperplasia	Cystic, Marked
--	-------------	-------------	----------------

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 326

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 96822

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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	* Mammary Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Liver		Hemorrhage	Mild
		Necrosis	Focal, Minimal
* Lung		Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Moderate
	[ Alveolar/Bronchiolar Carcinoma TGLS = 5-22 ]		
* Lymph Node, Mandibular		Pigmentation	Moderate
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 3-21 ]		
* Nose		Inflammation	Chronic, Minimal
* Ovary		Cyst	Moderate
	[ Cyst TGLS = 1-7 ]		
* Pancreas		Cyst	Moderate
* Parathyroid Gland		Cyst	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[ Hyperplasia TGLS = 2-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 327

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 96823

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Nose
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 2-22,3-6 ]		
	[ Hepatocellular Carcinoma TGLS = 1-21 ]		
* Ovary		Cyst	Moderate
	[ Cyst TGLS = 4-7 ]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicle	Degeneration	Focal, Mild
	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hyperplasia TGLS = 5-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 328

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Natural Death

DAY ON TEST: 664

HISTO: 96824

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Trachea		

MISSING

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

OBSERVATIONS

* Bone Marrow	Lymphoma Malignant
* Gallbladder	Lymphoma Malignant
* Harderian Gland	Lymphoma Malignant
* Heart	Lymphoma Malignant
* Intestine Large, Colon	Lymphoma Malignant
* Intestine Small, Duodenum	Lymphoma Malignant
* Kidney	Lymphoma Malignant
* Liver	Hepatocellular Adenoma
	Lymphoma Malignant

Note: HEPATOCELLULAR ADENOMA IS INDISTINCT DUE TO PRESENCE OF MALIGNANT LYMPHOMA.

[ Hepatocellular Adenoma TGLS = 8-23 ]

* Lung	Lymphoma Malignant
Lymph Node	Iliac Lymphoma Malignant
	Mediastinal Lymphoma Malignant
	Renal Lymphoma Malignant

[ Lymphoma Malignant TGLS = 14-3 ]

[ Lymphoma Malignant TGLS = 10-25 ]

[ Lymphoma Malignant TGLS = 9-24 ]

* Lymph Node, Mesenteric	Lymphoma Malignant
--------------------------	--------------------

[ Lymphoma Malignant TGLS = 12-27 ]

Mesentery	Lymphoma Malignant	
	Fat	Necrosis

Marked

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 328	<b>TRT#:</b> 2 <b>DOSE:</b> 0 MG/L	<b>SEX:</b> Female <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 664 <b>HISTO:</b> 96824
-----------------------	---------------------------------------	--	--

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Lymphoma Malignant TGLS = 11-26 ] [ Necrosis TGLS = 6-21,7-22 ]			
* Ovary [ Lymphoma Malignant TGLS = 3-7 ]		Lymphoma Malignant	
* Pancreas		Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	
* Spleen [ Lymphoma Malignant TGLS = 5-6 ]		Lymphoma Malignant	
* Stomach, Glandular [ Erosion TGLS = 13-28 ]		Erosion Lymphoma Malignant	Moderate
* Thymus		Lymphoma Malignant	
* Thyroid Gland [ Cyst TGLS = 15-3 ] [ Lymphoma Malignant TGLS = 15-3 ]	Follicle	Cyst Lymphoma Malignant	Moderate
* Urinary Bladder		Lymphoma Malignant	
* Uterus		Lymphoma Malignant	
Vagina [ Lymphoma Malignant TGLS = 4-7 ]		Lymphoma Malignant	
PRIMARY CAUSE OF DEATH	- Spleen	Lymphoma Malignant	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 331

TRT#: 4

SEX: Female

DAY ON TEST: 576

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 96827

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Thymus

OBSERVATIONS

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
[ Eosinophilic Focus TGLS = 2-6 ]			
[ Hepatocellular Adenoma TGLS = 2-6 ]			
* Urin Bladder			
Note: INFUSION ARTIFACT IN URINARY BLADDER.			
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

- Uterus Endometrium Hyperplasia

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 332

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96828

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Intestine Small, Jejunum		Lymphoma Malignant	
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hepatocellular Carcinoma	
		Vacuolization Cytoplasmic	Moderate
Note: SLIDE 6 CONTAINS AN ADENOMA ARISING WITHIN A HUGE FOCUS. [ Hepatocellular Adenoma TGLS = 4-23 ] [ Hepatocellular Carcinoma TGLS = 5-6 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Hyperplasia	Lymphoid, Moderate
		[ Alveolar/Bronchiolar Carcinoma TGLS = 6-25 ]	
Mesentery	Fat	Necrosis	Marked
		[ Necrosis TGLS = 2-21,7-24 ]	
* Ovary		Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Mild
		[ Hematopoietic Cell Proliferation TGLS = 1-6 ]	
		[ Hyperplasia TGLS = 1-6 ]	
* Thymus		Hyperplasia	Lymphoid, Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 333

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96829

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone Marrow		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
* Liver		Hepatocellular Adenoma	
		Lymphoma Malignant	
[ Hepatocellular Adenoma TGLS = 3-21 ]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
[ Hyperplasia TGLS = 4-3 ]			
* Ovary		Cyst	Moderate
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 1-6 ]			
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 5-22 ]			
* Thymus		Hyperplasia	Lymphoid, Mild
* Thyroid Gland	Follicle	Cyst	Moderate
	Follicle	Degeneration	Focal, Mild
	Follicular Cel	Hyperplasia	Minimal
* Urin Bladder			
Note: INFUSION ARTIFACT IN URINARY BLADDER.			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 2-7 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:14

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

**Lab:** SRI

---

**ANIMAL ID:** 333

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 250 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96829

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 334

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96830

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lung	* Lymph Node, Mandibular	* 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	

OBSERVATIONS

* Harderian Gland		Adenoma	
* Islets, Pancreatic		Adenoma	
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Note: HEPATOCELLULAR ADENOMAS ARE ON SLIDES 6 AND 23.			
[ Hepatocellular Adenoma TGLS = 4-23 ]			
[ Hepatocellular Carcinoma TGLS = 2-21,3-22,5-24 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 336

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96832

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Infiltration Cellular	Mixed Cell, Mild
Note: HEPATOCELLULAR ADENOMAS ARE ON SLIDES 6, 22, 23, AND 24.			
[ Eosinophilic Focus TGLS = 6-25 ]			
[ Hepatocellular Adenoma TGLS = 3-22,4-23,5-24 ]			
[ Hepatocellular Carcinoma TGLS = 2-21 ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mandibular		Hemorrhage	Moderate
		Pigmentation	Moderate
* Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 1-6 ]			
* Thyroid Gland	Follicle	Cyst	Moderate
* Urin Bladder			
Note: INFUSION ARTIFACT IN URINARY BLADDER.			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 337

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96833

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
		Myelofibrosis	Mild
* Islets, Pancreatic		Adenoma	Multiple
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = 4-21,6-23 ]		
* Lymph Node, Mandibular		Pigmentation	Moderate
* Ovary		Angiectasis	Marked
		Cystadenoma	
	[ Angiectasis TGLS = 2-7 ]		
* Salivary Glands		Hyperplasia	Lymphoid, Mild
Skeletal Muscle		Hemangiosarcoma	
	Note: THE HEMANGIOSARCOMA APPEARS TO BE IN AN EARLY STAGE.		
	[ Hemangiosarcoma TGLS = 5-22 ]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 3-6 ]		
	[ Hyperplasia TGLS = 3-6 ]		
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
	Follicular Cel	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:14

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

**Lab:** SRI

---

**ANIMAL ID:** 337

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 736

**DOSE:** 250 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96833

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLS = 1-7 ]

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 338

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96834

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Liver		Eosinophilic Focus Hepatocellular Adenoma Vacuolization Cytoplasmic	Mild
[ Eosinophilic Focus TGLS = 6-6 ]	Hepatocyte		
[ Hepatocellular Adenoma TGLS = 5-22 ]			
* Ovary		Angiectasis Cyst	Mild Moderate
[ Cyst TGLS = 2-7 ]			
* Pituitary Gland	Pars Intermed Pars Distalis Pars Distalis	Adenoma Cyst Hyperplasia	Moderate Focal, Mild
* Salivary Glands		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 3-6 ]			
* Uterus	Endometrium	Angiectasis Hyperplasia	Mild Cystic, Moderate
[ Angiectasis TGLS = 4-21 ]			
[ Hyperplasia TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 339

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96835

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric  | * Mammary Gland             | * Nose                   | * Ovary                    |
| * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        | * Skin                     |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

OBSERVATIONS

- |   |                |                                  |                  |
|---|----------------|----------------------------------|------------------|
| * Bone Marrow                               |                | Hyperplasia                      | Mild             |
| * Liver                                     |                | Clear Cell Focus                 |                  |
|   |                | Eosinophilic Focus               |                  |
|   |                | Hepatocellular Adenoma           | Multiple         |
|   |                | Lymphoma Malignant               |                  |
| [ Clear Cell Focus TGLS = 5-24 ]            |                |                                  |                  |
| [ Eosinophilic Focus TGLS = 4-23,5-24 ]     |                |                                  |                  |
| [ Hepatocellular Adenoma TGLS = 3-22,5-24 ] |                |                                  |                  |
| [ Lymphoma Malignant TGLS = 2-21 ]          |                |                                  |                  |
| * Salivary Glands                           |                | Hyperplasia                      | Lymphoid, Mild   |
| * Spleen                                    |                | Hematopoietic Cell Proliferation | Mild             |
|   |                | Lymphoma Malignant               |                  |
| * Thyroid Gland                             | Follicular Cel | Hyperplasia                      | Minimal          |
| * Uterus                                    | Endometrium    | Hyperplasia                      | Cystic, Moderate |
| [ Hyperplasia TGLS = 1-7 ]                  |                |                                  |                  |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 340

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96836

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[ Eosinophilic Focus TGLS = 2-6 ]			
[ Hepatocellular Adenoma TGLS = 2-6, UPLA, UPLB ]			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 1-21 ]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicle	Cyst	Moderate
	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 341

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96837

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Intestine Small, Duodenum

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[ Hepatocellular Adenoma TGLS = 2-6,5-22 ]		
	[ Hepatocellular Carcinoma TGLS = 1-21 ]		
* Lung		Hemorrhage	Mild
* Lymph Node, Mandibular		Pigmentation	Moderate
* Ovary		Cyst	Moderate
	[ Cyst TGLS = 4-7 ]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[ Hyperplasia TGLS = 3-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

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: 96838

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Harderian Gland		Hyperplasia	Focal, Minimal
* Liver		Eosinophilic Focus	
		Mixed Cell Focus	
[ Eosinophilic Focus TGLS = 3-22 ]			
[ Mixed Cell Focus TGLS = 2-21 ]			
* Lymph Node, Mandibular		Pigmentation	Moderate
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 343

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96839

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone		Fibrosis	Moderate
* Harderian Gland		Hyperplasia	Focal, Marked
* Kidney		Infarct	
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: BASOPHILIC FOCI ARE ON SLIDES 6 AND 21.			
[ Basophilic Focus TGLS = 3-21 ]			
[ Hepatocellular Adenoma TGLS = 2-22,3-21 ]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Ovary		Cyst	Moderate
* Parathyroid Gland		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 344

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96840

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone Marrow            | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric  | * Mammary Gland             | * Nose                   | * Ovary                    |
| * Pancreas                | * Parathyroid Gland         | * Skin                   | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Thymus                    | * Thyroid Gland          | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

OBSERVATIONS

- |                   |   |                                  |                    |
|-------------------|---|----------------------------------|--------------------|
| * Bone            |   | Fibrosis                         | Mild               |
| * Liver           |   | Eosinophilic Focus               |                    |
|                   | Hepatocyte                                      | Hepatocellular Adenoma           | Multiple           |
|                   | [ Hepatocellular Adenoma TGLS = 2-21,3-22,4-6 ] | Vacuolization Cytoplasmic        | Mild               |
| * Pituitary Gland | Pars Distalis                                   | Hyperplasia                      | Focal, Mild        |
| * Salivary Glands |   | Hyperplasia                      | Lymphoid, Moderate |
| * Spleen          |   | Hematopoietic Cell Proliferation | Mild               |
|                   |   | Pigmentation                     | Moderate           |
| * Urin Bladder    |   |                                  |                    |
|                   | Note: INFUSION ARTIFACT IN URINARY BLADDER.     |                                  |                    |
| * Uterus          | Endometrium                                     | Angiectasis                      | Mild               |
|                   |   | Hyperplasia                      | Cystic, Marked     |
|                   | [ Hyperplasia TGLS = 1-7 ]                      |                                  |                    |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 345

TRT#: 4

SEX: Female

DAY ON TEST: 570

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 96841

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

AUTO PRECLUDES DIAG.

\* Intestine Small, Duodenum

OBSERVATIONS

* Bone		Fibrosis	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 1-21,2-22 ]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Urin Bladder			
Note: INFUSION ARTIFACT IN URINARY BLADDER.			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

- Mesentery Fat Necrosis

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 346

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96842

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

\* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCELLULAR CARCINOMAS ARE ON SLIDES 6 AND 21.			
		[ Hepatocellular Adenoma TGLS = UPL ]	
		[ Hepatocellular Carcinoma TGLS = 2-21 ]	
Lymph Node	Iliac	Hyperplasia	Lymphoid, Mild
		[ Hyperplasia TGLS = 6-24 ]	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
Mesentery	Fat	Necrosis	Marked
		[ Necrosis TGLS = 3-22 ]	
* Ovary		Angiectasis	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	Subcut Tiss	Hemangiosarcoma	
		[ Hemangiosarcoma TGLS = 4-23 ]	
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
		[ Hematopoietic Cell Proliferation TGLS = 1-6 ]	
		[ Hyperplasia TGLS = 1-6 ]	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 346

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 250 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96842

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Thymus		Hyperplasia	Lymphoid, Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 5-7 ]			

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 347

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96843

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* 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	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea

OBSERVATIONS

* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
[ Hepatocellular Adenoma TGLS = 3-21 ]			
[ Hepatocellular Carcinoma TGLS = 3-21 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Lymphoma Malignant	
* Thyroid Gland	Follicle	Cyst	Moderate
	Follicle	Degeneration	Focal, Minimal
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 1-7,2-22 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 348

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96844

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Harderian Gland		Carcinoma	
[ Carcinoma TGLS = 4-12 ]			
* Islets, Pancreatic		Hyperplasia	Mild
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[ Basophilic Focus TGLS = 6-22 ]			
[ Hepatocellular Adenoma TGLS = 3-6 ]			
[ Hepatocellular Carcinoma TGLS = 1-21 ]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Pancreatic	Lymphoma Malignant	
Note: MALIGNANT LYMPHOMA OBSERVED INCIDENTALLY IN PANCREATIC LYMPH NODE (SLIDE 7).			
* Ovary		Cyst	Moderate
[ Cyst TGLS = 5-7 ]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 2-6 ]			
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 348	<b>TRT#:</b> 4 <b>DOSE:</b> 250 MG/L	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 735 <b>HISTO:</b> 96844
-----------------------	---	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Urin Bladder Note: INFUSION ARTIFACT IN URINARY BLADDER.	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

---

PRIMARY CAUSE OF DEATH -

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 349

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96845

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 2-6, UPL ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
[ Alveolar/Bronchiolar Carcinoma TGLS = 3-22 ]		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 1-21 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
	Lymph Follic	Hyperplasia	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[ Hyperplasia TGLS = 4-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

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: 96847

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

\* Intestine Small, Duodenum

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		[ Hepatocellular Adenoma TGLS = 3-22,6-24,7-25 ]	
		[ Hepatocellular Carcinoma TGLS = 1-21,2-6 ]	
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Moderate
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
		[ Hyperplasia TGLS = 5-7 ]	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 352

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96848

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone Marrow            | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric  | * Mammary Gland             | * Nose                   | * Ovary                    |
| * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        | * Skin                     |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 | * Thyroid Gland            |
| * Trachea                 | * Urinary Bladder           |                          |                            |

OBSERVATIONS

- |   |             |                                  |                |
|---|-------------|----------------------------------|----------------|
| * Bone  |             | Fibrosis                         | Mild           |
| * Liver   |             | Hepatocellular Adenoma           | Multiple       |
|   | Hepatocyte  | Hepatocellular Carcinoma         |                |
|   |             | Vacuolization Cytoplasmic        | Moderate       |
| Note: HEPATOCELLULAR CARCINOMAS ARE ON SLIDES 6 AND 21.<br>[ Hepatocellular Carcinoma TGLS = 1-21 ] |             |                                  |                |
| Mesentery   | Fat         | Necrosis                         | Marked         |
|   |             | [ Necrosis TGLS = 2-22 ]         |                |
| * Salivary Glands   |             | Hyperplasia                      | Lymphoid, Mild |
| * Spleen  |             | Hematopoietic Cell Proliferation | Minimal        |
| * Uterus  | Endometrium | Hyperplasia                      | Cystic, Marked |
|   |             | [ Hyperplasia TGLS = 3-7 ]       |                |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 353

TRT#: 4

SEX: Female

DAY ON TEST: 667

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 96849

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

\* Intestine Small, Duodenum

OBSERVATIONS

* Bone Marrow		Depletion Cellular	Mild
* Eye		Cataract	Moderate
* Harderian Gland		Adenoma	
Note: HARDERIAN GLAND ADENOMA IS MARKEDLY CYSTIC. [ Adenoma TGLS = 9-12 ]			
* Intestine Large, Cecum		Ulcer	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: A PORTION OF THE HEPATOCELLULAR CARCINOMA IS ON SLIDE 6. [ Clear Cell Focus TGLS = 7-22 ] [ Hepatocellular Adenoma TGLS = 6-21 ] [ Hepatocellular Carcinoma TGLS = 8-23 ]			
* Lung		Hemorrhage	Minimal
* Lymph Node, Mandibular		Atrophy	Moderate
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
* Pancreas	Acinus	Cytoplasmic Alteration	Marked
* Spleen	Lymph Follic	Atrophy	Mild
		Pigmentation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
		Ulcer	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 353	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 667
	<b>DOSE:</b> 250 MG/L	<b>DISP:</b> Natural Death	<b>HISTO:</b> 96849

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Urin Bladder			
Note: INFUSION ARTIFACT IN URINARY BLADDER.			
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7,2-7 ]			

---

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 356

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96852

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone Marrow			
Note: MODERATE AMOUNT OF PHAGOCYTIZED HEMOSIDERIN PIGMENT IN BONE MARROW; CONSIDERED INCIDENTAL AND NOT TABULATED.			
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
Note: EOSINOPHILIC FOCI ARE ON SLIDES 6 AND 23.			
[ Eosinophilic Focus TGLS = 4-23 ]			
[ Hepatocellular Adenoma TGLS = 1-21,2-22 ]			
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 3-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 357

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96853

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Necrosis	Focal, Minimal
[ Hepatocellular Adenoma TGLS = 3-6,5-23 ]			
[ Hepatocellular Carcinoma TGLS = 4-22 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-21 ]			
* Ovary		Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 358

TRT#: 4

SEX: Female

DAY ON TEST: 693

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 96854

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Skin
Spinal Cord	* Stomach, Glandular	* Trachea	* Urinary Bladder
Vagina			

OBSERVATIONS

* Intestine Small, Duodenum	Epithelium	Hyperplasia	Mild
* Islets, Pancreatic		Adenoma	
* Liver	Hepatocyte	Clear Cell Focus	
		Fatty Change	Moderate
		Hepatocellular Adenoma	Multiple
		Tension Lipidosis	
[ Clear Cell Focus TGLS = 1-6 ]			
[ Hepatocellular Adenoma TGLS = 1-6 ]			
* Lung		Hemorrhage	Minimal
* Lymph Node, Mandibular		Pigmentation	Moderate
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
Peripheral Nerve		Atrophy	Moderate
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach		Edema	Moderate
	Epithelium	Hyperplasia	Squamous, Moderate
		Ulcer	Moderate
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH - Islets, Pancreatic Adenoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

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: 96857

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Esophagus			
Note: MODERATE EDEMA IN ESOPHAGEAL SUBMUCOSA; MORPHOLOGY NOT AVAILABLE ON TDMS.			
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma Necrosis Vacuolization Cytoplasmic	Multiple Focal, Minimal Moderate
	Hepatocyte		
	[ Hepatocellular Adenoma TGLS = 3-6 ]		
	[ Hepatocellular Carcinoma TGLS = 3-6, UPL ]		
* Lymph Node, Mesenteric		Atrophy	Mild
* Ovary		Cyst	Moderate
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	Subcut Tiss	Lipoma	
	[ Lipoma TGLS = 1-21 ]		
* Spleen		Hematopoietic Cell Proliferation Lymphoma Malignant	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Urin Bladder			
Note: INFUSION ARTIFACT IN URINARY BLADDER.			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hyperplasia TGLS = 2-7,4-22 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

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: 96858

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Hemangiosarcoma	
		Mineralization	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[ Hepatocellular Adenoma TGLS = 8-6,9-6,10-26 ]			
[ Hepatocellular Carcinoma TGLS = 5-23,6-24,7-25,10-26 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
[ Hyperplasia TGLS = 1-21 ]			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 4-22 ]			
* Ovary		Cyst	Moderate
[ Cyst TGLS = 3-7 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant	
* Urin Bladder			
Note: INFUSION ARTIFACT IN URINARY BLADDER.			
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 2-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 363

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96859

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

\* Lymph Node, Mandibular

OBSERVATIONS

* Kidney		Infarct	
* Liver		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hepatocellular Carcinoma	
		Vacuolization Cytoplasmic	Moderate
	[ Hepatocellular Adenoma TGLS = 3-22,4-23 ]		
	[ Hepatocellular Carcinoma TGLS = 5-24 ]		
Mesentery	Fat	Necrosis	Marked
	[ Necrosis TGLS = 1-21 ]		
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Hyperplasia	Lymphoid, Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hyperplasia TGLS = 2-7 ]		

PRIMARY CAUSE OF DEATH

-

Animal Note: JEJUNUM IS ON SLIDE 4. RECTUM IS ON SLIDE 3.

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 364

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96860

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

\* Thymus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Intestine Large, Cecum		Edema	Mild
* Liver		Hematopoietic Cell Proliferation	Moderate
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Sarcoma	Metastatic (Mesentery)
	[ Hepatocellular Adenoma TGLS = 8-23 ]		
	[ Hepatocellular Carcinoma TGLS = 7-22 ]		
Mesentery		Sarcoma	
	[ Sarcoma TGLS = 5-21 ]		
* Pancreas		Sarcoma	Metastatic (Mesentery)
	Note: SARCOMA METASTASIS IS ON SLIDE 5.		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 6-6 ]		
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[ Hyperplasia TGLS = 4-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:14

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

**Lab:** SRI

---

**ANIMAL ID:** 364

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 736

**DOSE:** 250 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96860

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

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: 96862

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Hepatocellular Carcinoma	Multiple
	[ Hepatocellular Carcinoma TGLS = 1-6,2-21 ]	Vacuolization Cytoplasmic	Mild
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 4-1 ]		
* Spleen	Lymph Follic	Hematopoietic Cell Proliferation	Minimal
	Follicular Cel	Hyperplasia	Mild
* Thyroid Gland	Endometrium	Hyperplasia	Mild
* Uterus		Hyperplasia	Cystic, Marked
	[ Hyperplasia TGLS = 3-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 367

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96863

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Zona Reticul	Vacuolization Cytoplasmic	Mild
* Bone		Fibrosis	Moderate
* Bone Marrow		Hyperplasia	Mild
* Eye		Inflammation	Chronic, Mild
* Harderian Gland		Carcinoma	
[ Carcinoma TGLS = 11-12 ]			
* Intestine Small, Ileum		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Infiltration Cellular	Mixed Cell, Mild
[ Hepatocellular Adenoma TGLS = 3-6, UPLB ]			
[ Hepatocellular Carcinoma TGLS = UPLA ]			
* Lung		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 6-2 ]			
Lymph Node	Iliac	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 9-21 ]			
[ Lymphoma Malignant TGLS = 10-22 ]			
[ Lymphoma Malignant TGLS = 5-3 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Marked

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 367

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96863

**ORGAN AND ACCOUNTABLE SITE STATUS**

* Lymph Node, Mesenteric [ Lymphoma Malignant TGLS = 2-5 ]		Lymphoma Malignant	
* Ovary [ Cyst TGLS = 8-7 ]		Cyst	Moderate
* Pancreas		Lymphoma Malignant	
* Salivary Glands		Hyperplasia	Lymphoid, Moderate
* Spleen  [ Hematopoietic Cell Proliferation TGLS = 1-6 ] [ Lymphoma Malignant TGLS = 1-6 ]		Hematopoietic Cell Proliferation Lymphoma Malignant	Minimal
* Thymus		Lymphoma Malignant	
* Thyroid Gland  [ Adenoma TGLS = 4-3 ]	Follicular Cel Follicle	Adenoma Degeneration Inflammation	Focal, Moderate Granulomatous, Mild
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus [ Hyperplasia TGLS = 7-7 ]	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 368

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96864

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney
* Lung	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

OBSERVATIONS

* Bone [ Osteopetrosis TGLS = 6-25 ]	Cranium	Osteopetrosis	Mild
* Harderian Gland		Hyperplasia	Focal, Moderate
* Intestine Small, Jejunum [ Hyperplasia TGLS = 2-21 ]	Epithelium	Hyperplasia	Moderate
* Liver [ Eosinophilic Focus TGLS = 8-27 ] [ Hepatocellular Adenoma TGLS = 3-22,4-23,5-24,7-26 ]		Eosinophilic Focus Hepatocellular Adenoma	Multiple
* Lymph Node, Mandibular		Pigmentation	Moderate
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
* Salivary Glands		Hyperplasia	Lymphoid, Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
	Lymph Follic	Hyperplasia	Moderate
* Thymus		Hyperplasia	Lymphoid, Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus [ Hyperplasia TGLS = 1-7 ]	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 371

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96867

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Nose	* Pituitary Gland
--------	-------------------

OBSERVATIONS

* Harderian Gland		Hyperplasia	Focal, Moderate
* Intestine Small, Ileum	Epithelium	Hyperplasia	Moderate
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		[ Eosinophilic Focus TGLS = 5-22 ]	
		[ Hepatocellular Adenoma TGLS = 4-6,6-23,3-6 ]	
* Lymph Node, Mandibular		Pigmentation	Moderate
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
Mesentery	Fat	Necrosis	Moderate
		[ Necrosis TGLS = 1-21 ]	
* Ovary		Cystadenoma	
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
		[ Hyperplasia TGLS = 2-7 ]	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 372

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96868

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Harderian Gland		Hyperplasia	Focal, Minimal
* Kidney		Lymphoma Malignant	
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
		[ Hepatocellular Adenoma TGLS = 5-6, UPLA, UPLB ]	
		[ Mixed Cell Focus TGLS = UPLC ]	
Lymph Node	Mediastinal	Lymphoma Malignant	
		Note: MALIGNANT LYMPHOMA OBSERVED INCIDENTALLY IN MEDIASTINAL LYMPH NODE (SLIDE 3).	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
		[ Lymphoma Malignant TGLS = 6-5 ]	
Mesentery	Fat	Necrosis	Marked
		[ Necrosis TGLS = 4-21 ]	
* Ovary		Cyst	Moderate
		[ Cyst TGLS = 1-7 ]	
* Pancreas		Lymphoma Malignant	
* Parathyroid Gland		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Salivary Glands		Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 372	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 735
	<b>DOSE:</b> 250 MG/L	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 96868

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hematopoietic Cell Proliferation TGLS = 3-6 ]			
[ Lymphoma Malignant TGLS = 3-6 ]			
* Thymus		Lymphoma Malignant	
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 2-7 ]			

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 373

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96869

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea		

OBSERVATIONS

* Kidney		Infarct	
		Metaplasia	Osseous, Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[ Hepatocellular Adenoma TGLS = 3-23, 6-25, 7-26 ]		
	[ Hepatocellular Carcinoma TGLS = 1-21,2-22,5-24 ]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mandibular		Pigmentation	Moderate
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hyperplasia TGLS = 4-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 376

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96872

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Infarct	
* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 3-21,4-6 ]			
Lymph Node		Sarcoma	Metastatic (Skin)
[ Sarcoma TGLS = 5-22 ]			
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	Subcut Tiss	Sarcoma	
[ Sarcoma TGLS = 6-23 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Moderate
[ Hematopoietic Cell Proliferation TGLS = 1-6 ]			
[ Hyperplasia TGLS = 1-6 ]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 2-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 377

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96873

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Harderian Gland		Adenoma	
* Liver		Hepatocellular Adenoma	
		Mixed Cell Focus	
[ Hepatocellular Adenoma TGLS = 5-22 ]			
[ Mixed Cell Focus TGLS = 7-23 ]			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 3-21 ]			
* Ovary		Angiectasis	Mild
	Thecal Cell	Hyperplasia	Moderate
[ Angiectasis TGLS = 2-7 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 6-1 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Moderate
[ Hematopoietic Cell Proliferation TGLS = 4-6 ]			
[ Hyperplasia TGLS = 4-6 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 378

TRT#: 4

SEX: Female

DAY ON TEST: 619

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 96874

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Mineralization	Moderate
		Thrombosis	Minimal
Note: THE MINERALIZATION IS IN THE ATRIA.			
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Infiltration Cellular	Mixed Cell, Moderate
Note: HEPATOCELLULAR ADENOMAS ARE ON SLIDES 6 AND 24.			
			[ Hepatocellular Adenoma TGLS = 6-24 ]
			[ Infiltration Cellular TGLS = 3-6 ]
* Lung		Hemorrhage	Moderate
		Infiltration Cellular	Histiocyte, Minimal
		Sarcoma	Metastatic (Skin)
			[ Sarcoma TGLS = 4-22,5-23 ]
* Lymph Node, Mesenteric		Atrophy	Moderate
* Mammary Gland		Hyperplasia	Moderate
* Parathyroid Gland		Cyst	Moderate
* Skin	Subcut Tiss	Sarcoma	
			[ Sarcoma TGLS = 1-21 ]
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 378

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 619

**DOSE:** 250 MG/L

**DISP:** Moribund Sacrifice

**HISTO:** 96874

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urin Bladder

Note: INFUSION ARTIFACT IN URINARY BLADDER.

\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

[ Hyperplasia TGLS = 2-7 ]

---

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Sarcoma

---

Animal Note: MARKED MINERALIZATION IN WALLS OF BLOOD VESSELS IN MEDIASTINUM (SLIDE 3); NOT TA BULATED.

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 379

TRT#: 4

DOSE: 250 MG/L

SEX: Female

DISP: Natural Death

DAY ON TEST: 646

HISTO: 96875

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea			

MISSING

\* Parathyroid Gland

AUTO PRECLUDES DIAG.

\* Intestine Small, Duodenum

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Eye		Atrophy	Marked
[ Atrophy TGLS = 10-44 ]			
* Harderian Gland		Adenoma	
[ Adenoma TGLS = 11-12 ]		Lymphoma Malignant	
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 3-6 ]		Lymphoma Malignant	
* Lung		Lymphoma Malignant	
Note: MALIGNANT LYMPHOMA IS IN LUNG ON SLIDES 2 AND 21 (MEDIASTINAL ASPECT OF LUNG).			
[ Lymphoma Malignant TGLS = 7-21 ]			
Lymph Node	Iliac	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 9-23 ]	Renal	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 8-22 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 379

TRT#: 4

SEX: Female

DAY ON TEST: 646

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 96875

**ORGAN AND ACCOUNTABLE SITE STATUS**

* Ovary		Lymphoma Malignant	
* Pancreas		Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant	
	[ Hematopoietic Cell Proliferation TGLS = 1-6 ]		
	[ Lymphoma Malignant TGLS = 1-6 ]		
* Stomach, Glandular		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 6-3 ]		
* Urinary Bladder		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 5-7 ]		

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 380

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96876

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Lymph Node, Mesenteric

OBSERVATIONS

* Harderian Gland		Adenoma	
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[ Hepatoblastoma TGLS = 3-23 ]			
[ Hepatocellular Adenoma TGLS = 2-6,6-25,7-26,1-21 ]			
[ Hepatocellular Carcinoma TGLS = 1-21,2-6 ]			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 5-24 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Urin Bladder			
Note: INFUSION ARTIFACT IN URINARY BLADDER.			
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 4-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 381

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96877

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone Marrow		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
* Liver		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
	[ Hepatocellular Adenoma TGLS = 2-6 ]		
* Lung		Lymphoma Malignant	
Lymph Node	Mediastinal	Lymphoma Malignant	
	Note: MALIGNANT LYMPHOMA OBSERVED INCIDENTALLY IN MEDIASTINAL LYMPH NODE (SLIDE 3).		
* Salivary Glands		Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
	[ Hematopoietic Cell Proliferation TGLS = 1-6 ]		
	[ Lymphoma Malignant TGLS = 1-6 ]		
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Urinary Bladder		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 382

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96878

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

\* Lymph Node, Mesenteric

OBSERVATIONS

* Intestine Large, Colon		Diverticulum	
* Liver		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
Note: MIXED CELL FOCUS IS ON SLIDE 22.			
[ Hepatocellular Adenoma TGLS = 3-22,6-23,1-6,2-21 ]			
* Ovary		Cyst	Moderate
[ Cyst TGLS = 5-7 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Moderate
* Uterus	Lymph Follic	Hyperplasia	Cystic, Marked
	Endometrium		
[ Hyperplasia TGLS = 4-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 383

TRT#: 4

SEX: Female

DAY ON TEST: 570

DOSE: 250 MG/L

DISP: Moribund Sacrifice

HISTO: 96879

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Heart	* 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
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Harderian Gland		Adenoma	
[ Adenoma TGLS = 3-12 ]			
* Kidney		Casts Granular	Moderate
Note: KIDNEY CAST APPEARS TO BE OLD HEMORRHAGE IN RENAL PELVIS.			
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
Peripheral Nerve		Atrophy	Moderate
* Spleen	Lymph Follic	Hyperplasia	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

- Uterus Endometrium Hyperplasia

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 384

TRT#: 4

SEX: Female

DAY ON TEST: 707

DOSE: 250 MG/L

DISP: Natural Death

HISTO: 96880

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                           |                             |                          |
|--------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex         | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                  | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder            | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Islets, Pancreatic     | * Kidney                  | * Lymph Node, Mandibular    | * 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         |                             |                          |

AUTO PRECLUDES DIAG.

- \* Intestine Small, Jejunum

OBSERVATIONS

- |            |  |                              |                |
|------------|--|------------------------------|----------------|
| * Liver    |  | Hepatocellular Adenoma       |                |
|            |  | Hepatocellular Carcinoma     |                |
|            | [ Hepatocellular Adenoma TGLS = 1-6 ]        |                              |                |
|            | [ Hepatocellular Carcinoma TGLS = 2-21 ]     |                              |                |
| * Lung     |  | Alveolar/Bronchiolar Adenoma |                |
|            | [ Alveolar/Bronchiolar Adenoma TGLS = 4-22 ] |                              |                |
| * Pancreas | Acinus                                       | Cytoplasmic Alteration       | Moderate       |
| * Uterus   | Endometrium                                  | Hyperplasia                  | Cystic, Marked |
|            | [ Hyperplasia TGLS = 3-7 ]                   |                              |                |

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 386

TRT#: 4

DOSE: 250 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 96882

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone		Fibrosis	Moderate
Note: FIBROSIS IS ON SLIDE 9 (NASAL BONE).			
* Harderian Gland		Adenoma	
[ Adenoma TGLS = 3-12 ]			
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
		Mixed Cell Focus	
[ Eosinophilic Focus TGLS = 5-23 ]			
[ Hepatocellular Adenoma TGLS = 4-22 ]			
[ Mixed Cell Focus TGLS = 5-23 ]			
Lymph Node	Bronchial	Lymphoma Malignant	
Note: MALIGNANT LYMPHOMA OBSERVED INCIDENTALLY IN BRONCHIAL LYMPH NODE (SLIDE 2).			
* Lymph Node, Mandibular		Lymphoma Malignant	
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 1-21 ]			
* Salivary Glands		Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:14

**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:** 96882

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLS = 2-7 ]

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**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:** 96883

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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
* Mammary Gland	* Nose	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[ Hepatocellular Adenoma TGLS = 4-6,5-22,7-23 ]		
	[ Mixed Cell Focus TGLS = 8-24 ]		
* Lung		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
		Pigmentation	Moderate
* Ovary		Cyst	Moderate
* Pancreas		Atrophy	Marked
		Cyst	Moderate
	Note: PANCREATIC CYST IS ON SLIDES 5, 7, AND 21.		
	[ Atrophy TGLS = 2-7 ]		
	[ Cyst TGLS = 3-21 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Salivary Glands		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 1-6 ]		
* Thymus		Lymphoma Malignant	
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**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:** 96883

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urin Bladder

Note: INFUSION ARTIFACT IN URINARY BLADDER.

\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

[ Hyperplasia TGLS = 6-7 ]

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

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: 96884

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland	* Thymus
---------------------	----------

OBSERVATIONS

* Kidney		Metaplasia	Osseous, Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 2-22 ]		
	[ Hepatocellular Carcinoma TGLS = 1-21 ]		
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Mild
		Hyperplasia	Lymphoid, Minimal
		Necrosis	Marked
Mesentery	Fat		
	[ Necrosis TGLS = 4-23 ]		
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
		Inflammation	Granulomatous, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[ Hyperplasia TGLS = 3-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

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: 96885

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Uterus	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 1-21, UPLA, UPLB ]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
[ Hyperplasia TGLS = 3-23 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Ectasia	Marked
[ Ectasia TGLS = 2-22 ]			
* Salivary Glands		Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Urinary Bladder		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

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: 96887

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Heart		Cardiomyopathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
Note: EOSINOPHILIC FOCUS IS ON SLIDE 22. MIXED CELL FOCUS IS ON SLIDE 6. [ Hepatocellular Adenoma TGLS = 4-24, 2-22, 3-23 ]			
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
* Ovary		Angiectasis	Mild
		Hyperplasia	Tubular, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Hyperplasia	Lymphoid, Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

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: 96888

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Kidney	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

\* Gallbladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Intestine Small, Ileum	Epithelium	Hyperplasia	Moderate
[ Hyperplasia TGLS = 4-22 ]			
* Intestine Small, Jejunum		Lymphoma Malignant	
* Islets, Pancreatic		Hyperplasia	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Infiltration Cellular	Mixed Cell, Mild
[ Eosinophilic Focus TGLS = 6-23 ]			
[ Hepatocellular Carcinoma TGLS = 1-21 ]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 5-5 ]			
* Ovary		Cystadenoma	
[ Cystadenoma TGLS = 3-7 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant	
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 392	<b>TRT#:</b> 4 <b>DOSE:</b> 250 MG/L	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 734 <b>HISTO:</b> 96888
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
* Uterus [ Hyperplasia TGLS = 2-7 ]	Endometrium	Hyperplasia	Cystic, Marked
<b>PRIMARY CAUSE OF DEATH</b>	-		

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 393

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 96889

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea			

OBSERVATIONS

* Harderian Gland		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
* Liver	Bile Duct	Cyst Multilocular	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[ Cyst Multilocular TGLS = 6-6 ]			
[ Hepatocellular Adenoma TGLS = 1-21,4-22,5-23,7-24 ]			
[ Hepatocellular Carcinoma TGLS = 5-23 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Ovary		Angiectasis	Mild
* Salivary Glands		Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant	
[ Hematopoietic Cell Proliferation TGLS = 3-6 ]			
[ Lymphoma Malignant TGLS = 3-6 ]			
* Thymus		Hyperplasia	Lymphoid, Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
* Urinary Bladder		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 2-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

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: 96893

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Inflammation	Chronic, Mild
* Liver		Hepatocellular Adenoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Note: HEPATOCELLULAR ADENOMAS ARE ON SLIDES 6 AND 22. [ Hepatocellular Adenoma TGLS = 4-22, UPL ]			
Lymph Node	Mediastinal	Lymphoma Malignant	
Note: MALIGNANT LYMPHOMA OBSERVED INCIDENTALLY IN MEDIASTINAL LYMPH NODE ON SLIDE 3.			
* Lymph Node, Mandibular		Lymphoma Malignant	
Mesentery		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 3-21 ]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Lymphoma Malignant	
[ Hematopoietic Cell Proliferation TGLS = 2-6 ] [ Lymphoma Malignant TGLS = 2-6 ]			
* Thymus		Hyperplasia	Lymphoid, Mild
* Urin Bladder			
Note: INFUSION ARTIFACT IN URINARY BLADDER.			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 398

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96894

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Kidney		Metaplasia	Osseous, Mild
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Infiltration Cellular	Mixed Cell, Moderate
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[ Mixed Cell Focus TGLS = 5-23 ]			
* Ovary		Cyst	Moderate
* Skin		Edema	Moderate
	Subcut Tiss	Sarcoma	
[ Edema TGLS = 4-22 ]			
[ Sarcoma TGLS = 2-21 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Uterus		Angiectasis	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[ Angiectasis TGLS = 1-7 ]			
[ Hyperplasia TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 399

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96895

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Marked
Note: HEPATOCELLULAR CARCINOMAS ARE ON SLIDES 6 AND 21.			
		[ Hepatocellular Adenoma TGLS = 1-21,UPL ]	
		[ Hepatocellular Carcinoma TGLS = 1-21 ]	
Lymph Node	Iliac	Lymphoma Malignant	
		[ Lymphoma Malignant TGLS = 4-22 ]	
* Lymph Node, Mandibular		Pigmentation	Moderate
* Lymph Node, Mesenteric		Lymphoma Malignant	
		[ Lymphoma Malignant TGLS = 3-5 ]	
* Pancreas		Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Mild
		[ Hematopoietic Cell Proliferation TGLS = 2-6 ]	
		[ Lymphoma Malignant TGLS = 2-6 ]	
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
	Follicular Cel	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 400

TRT#: 6

SEX: Female

DAY ON TEST: 702

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 96896

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Islets, Pancreatic
* Kidney	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Gallbladder	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Salivary Glands	* Thymus		

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum
--------------------------	-----------------------------	--------------------------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[ Hepatocellular Carcinoma TGLS = 2-21,3-22 ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	[ Hepatocellular Carcinoma TGLS = 4-2 ]		
* Spleen		Hematopoietic Cell Proliferation	Marked
	[ Hematopoietic Cell Proliferation TGLS = 1-6 ]		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 402

TRT#: 6

SEX: Female

DAY ON TEST: 692

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 96898

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	* Intestine Small, Jejunum
* Lung	* Nose	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Cecum	* Intestine Small, Ileum	* Lymph Node, Mesenteric
---------------	--------------------------	--------------------------	--------------------------

INSUFFICIENT TISSUE

\* Islets, Pancreatic

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Necrosis	Moderate
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Infiltration Cellular	Mixed Cell, Mild
		[ Hepatocellular Carcinoma TGLS = 7-23 ]	
* Lymph Node, Mandibular		Atrophy	Moderate
* Mammary Gland		Hyperplasia	Mild
		Note: MAMMARY GLAND HYPERPLASIA IS EVIDENT ADJACENT TO CLITORAL GLAND.	
Mesentery		Sarcoma	
		[ Sarcoma TGLS = 5-21,6-22 ]	
* Ovary		Angiectasis	Marked
* Pancreas		Sarcoma	Metastatic (Mesentery)
* Salivary Glands		Hyperplasia	Lymphoid, Mild
Skeletal Muscle		Sarcoma	Metastatic (Mesentery)
		[ Sarcoma TGLS = 8-24 ]	
* Spleen		Hematopoietic Cell Proliferation	Marked
		[ Hematopoietic Cell Proliferation TGLS = 4-6 ]	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 402

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 692

**DOSE:** 500 MG/L

**DISP:** Natural Death

**HISTO:** 96898

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Stomach, Forestomach

Sarcoma

Metastatic (Mesentery)

\* Thymus

Atrophy

Moderate

\* Uterus

Angiectasis

Marked

Endometrium

Hyperplasia

Cystic, Marked

[ Angiectasis TGLS = 3-7 ]

[ Hyperplasia TGLS = 2-7 ]

---

PRIMARY CAUSE OF DEATH

- Mesentery Sarcoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 403

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96899

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Necrosis	Focal, Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Marked
Note: HEPATOCELLULAR CARCINOMAS ARE ON SLIDES 6, 22, AND 23. HEPATOCELLULAR ADENOMAS ARE ON SLIDES 6, 24, AND 25.			
		[ Hepatocellular Adenoma TGLS = 7-24,8-25 ]	
		[ Hepatocellular Carcinoma TGLS = 5-22,6-23 ]	
		[ Necrosis TGLS = 9-26 ]	
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mandibular		Atrophy	Mild
		Pigmentation	Moderate
* Lymph Node, Mesenteric		Atrophy	Moderate
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
Mesentery	Fat	Necrosis	Marked
		[ Necrosis TGLS = 4-21 ]	
* Ovary		Cyst	Moderate
		[ Cyst TGLS = 2-7 ]	
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 403	<b>TRT#:</b> 6 <b>DOSE:</b> 500 MG/L	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 737 <b>HISTO:</b> 96899
-----------------------	---	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Thyroid Gland	Follicle Follicular Cel	Cyst Hyperplasia	Moderate Mild
* Urin Bladder Note: INFUSION ARTIFACT IN URINARY BLADDER.			
* Uterus [ Hyperplasia TGLS = 1-7 ]	Endometrium	Hyperplasia	Cystic, Marked

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 404

TRT#: 6

SEX: Female

DAY ON TEST: 670

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 96900

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Bone                      | * Clitoral Gland         | * Esophagus                |
| * Eye                     | * Gallbladder               | * 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           | * Skin                   | * Thyroid Gland            |
| * Trachea                 |                             |                          |                            |

MISSING

- \* Ovary

OBSERVATIONS

- |  |                          |        |
|--|--------------------------|--------|
| * Adrenal Cortex                         | Lymphoma Malignant       |        |
| * Bone Marrow                            | Hyperplasia              | Marked |
| * Brain                                  | Lymphoma Malignant       |        |
| [ Lymphoma Malignant TGLS = 6-1 ]        |                          |        |
| * Harderian Gland                        | Lymphoma Malignant       |        |
| * Heart                                  | Lymphoma Malignant       |        |
|  | Mineralization           | Marked |
| * Kidney                                 | Lymphoma Malignant       |        |
| * Liver                                  | Eosinophilic Focus       |        |
|  | Hepatocellular Carcinoma |        |
|  | Lymphoma Malignant       |        |
| [ Eosinophilic Focus TGLS = 8-23 ]       |                          |        |
| [ Hepatocellular Carcinoma TGLS = 5-21 ] |                          |        |
| [ Lymphoma Malignant TGLS = 4-6,7-22 ]   |                          |        |
| * Lung                                   | Lymphoma Malignant       |        |
| * Lymph Node, Mandibular                 | Lymphoma Malignant       |        |
| * Lymph Node, Mesenteric                 | Lymphoma Malignant       |        |
| * Salivary Glands                        | Lymphoma Malignant       |        |
| * Spleen                                 | Lymphoma Malignant       |        |
| [ Lymphoma Malignant TGLS = 2-6 ]        |                          |        |
| * Stomach, Forestomach                   | Lymphoma Malignant       |        |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 404	<b>TRT#:</b> 6 <b>DOSE:</b> 500 MG/L	<b>SEX:</b> Female <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 670 <b>HISTO:</b> 96900
-----------------------	---	--	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Stomach, Glandular		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
* Urinary Bladder		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 1-7 ]			

---

PRIMARY CAUSE OF DEATH	- Spleen Lymphoma Malignant
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocellular Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 405

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96901

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone		Fibrosis	Moderate
* Brain		Compression	Marked
[ Compression TGLS = 7-1 ]			
* Islets, Pancreatic		Adenoma	
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[ Eosinophilic Focus TGLS = 4-6 ]			
[ Hepatocellular Adenoma TGLS = UPLA, UPLC ]			
[ Hepatocellular Carcinoma TGLS = 4-6, UPLB ]			
* Mammary Gland		Hyperplasia	Moderate
[ Hyperplasia TGLS = 1-8 ]			
Mesentery	Fat	Necrosis	Moderate
Note: MODERATE GRANULOMATOUS INFLAMMATION SURROUNDING FAT NECROSIS ON SLIDE 21.			
[ Necrosis TGLS = 2-21,3-22,6-23 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 8-1 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
* Stomach, Forestomach		Squamous Cell Papilloma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 405

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 737

**DOSE:** 500 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96901

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Squamous Cell Papilloma TGLS = 9-24 ]

\* Thyroid Gland

Follicle

Ulcer

Mild

Follicle

Cyst

Moderate

\* Uterus

Endometrium

Degeneration

Focal, Mild

Hyperplasia

Cystic, Mild

---

[ Hyperplasia TGLS = 5-7 ]

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 407

TRT#: 6

DOSE: 500 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 96903

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Note: EOSINOPHILIC FOCI ARE ON SLIDES 25 AND 26; BASOPHILIC FOCUS IS ON SLIDE 26. HEPATOCELLULAR ADENOMAS ARE ON SLIDES 6, 25, AND 26.			
		[ Eosinophilic Focus TGLS = 8-26 ]	
		[ Hepatocellular Adenoma TGLS = 7-25,8-26, 5-23, 6-24 ]	
		[ Hepatocellular Carcinoma TGLS = 1-21,4-22 ]	
* Lung		Hemorrhage	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Mild
		[ Hematopoietic Cell Proliferation TGLS = 3-6 ]	
		[ Hyperplasia TGLS = 3-6 ]	
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
	Follicular Cel	Hyperplasia	Mild
* Urin Bladder			
Note: INFUSION ARTIFACT IN URINARY BLADDER.			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 407

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 736

**DOSE:** 500 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96903

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 408

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96904

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea			

MISSING

\* Pituitary Gland

OBSERVATIONS

* Liver		Angiectasis	Moderate
		Eosinophilic Focus	
		Hemorrhage	Moderate
		Hepatocellular Adenoma	
		Histiocytic Sarcoma	
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Note: MIXED CELL FOCI ARE ON SLIDES 6 AND 23.			
		[ Angiectasis TGLS = 7-23 ]	
		[ Eosinophilic Focus TGLS = 6-22 ]	
		[ Hemorrhage TGLS = 7-23 ]	
		[ Hepatocellular Adenoma TGLS = 1-21 ]	
		[ Histiocytic Sarcoma TGLS = 4-6 ]	
		[ Mixed Cell Focus TGLS = 7-23 ]	
* Lung		Histiocytic Sarcoma	
* Lymph Node, Mandibular		Histiocytic Sarcoma	
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
		[ Histiocytic Sarcoma TGLS = 8-5 ]	
* Ovary		Angiectasis	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:14

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

**Lab:** SRI

---

<b>ANIMAL ID:</b> 408	<b>TRT#:</b> 6 <b>DOSE:</b> 500 MG/L	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 736 <b>HISTO:</b> 96904
-----------------------	---	---	--

---

<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
* Spleen		Hematopoietic Cell Proliferation Histiocytic Sarcoma	Mild
	[ Hematopoietic Cell Proliferation TGLS = 5-6 ] [ Histiocytic Sarcoma TGLS = 5-6 ]		
* Thymus		Histiocytic Sarcoma	
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hyperplasia TGLS = 2-7,3-7 ]		

---

<b>PRIMARY CAUSE OF DEATH</b>	-
-------------------------------	---

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 409

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96905

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	* Kidney	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

\* Gallbladder

OBSERVATIONS

* Liver		Eosinophilic Focus Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
Note: EOSINOPHILIC FOCI ARE ON SLIDES 6 AND 22.			
[ Eosinophilic Focus TGLS = 6-22 ]			
[ Hepatocellular Carcinoma TGLS = 1-21 ]			
* Lung		Alveolar/Bronchiolar Carcinoma Infiltration Cellular	Histiocyte, Marked
[ Alveolar/Bronchiolar Carcinoma TGLS = 5-2 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Cyst	Moderate
[ Cyst TGLS = 2-7 ]			
* Spleen		Hematopoietic Cell Proliferation Lymphoma Malignant	Mild
[ Hematopoietic Cell Proliferation TGLS = 4-6 ]			
[ Lymphoma Malignant TGLS = 4-6 ]			
* Thymus		Lymphoma Malignant	
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 409

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 736

**DOSE:** 500 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96905

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urin Bladder

Note: INFUSION ARTIFACT IN URINARY BLADDER.

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

[ Hyperplasia TGLS = 3-7 ]

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 412

TRT#: 6

SEX: Female

DAY ON TEST: 657

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 96908

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Infiltration Cellular	Mixed Cell, Moderate
Note: HEPATOCELLULAR ADENOMAS ARE PRESENT ON SLIDES 6 AND 21.			
			[ Hepatocellular Carcinoma TGLS = 2-21 ]
			[ Infiltration Cellular TGLS = 4-6 ]
* Mammary Gland		Hyperplasia	Mild
* Ovary		Cyst	Moderate
* Skin	Subcut Tiss	Sarcoma	
			[ Sarcoma TGLS = 6-22 ]
* Spleen		Hematopoietic Cell Proliferation	Marked
			[ Hematopoietic Cell Proliferation TGLS = 1-6 ]
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Urinary Bladder		Edema	Marked
	Transit Epithe	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
			[ Hyperplasia TGLS = 5-7 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 412

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 657

**DOSE:** 500 MG/L

**DISP:** Moribund Sacrifice

**HISTO:** 96908

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Sarcoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 413

TRT#: 6

DOSE: 500 MG/L

SEX: Female

DISP: Natural Death

DAY ON TEST: 725

HISTO: 96909

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, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Skin	* Stomach, Glandular
* Trachea			

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Small, Duodenum
---------------	-----------------------------

OBSERVATIONS

* Liver		Eosinophilic Focus Hepatocellular Adenoma Infiltration Cellular	Multiple Mixed Cell, Mild
[ Eosinophilic Focus TGLS = 3-21 ] [ Hepatocellular Adenoma TGLS = 2-6,3-21,4-22 ]			
Mesentery		Sarcoma	Metastatic (Uncertain Primary Site)
[ Sarcoma TGLS = 5-23,9-26 ]			
* Salivary Glands		Hyperplasia	Lymphoid, Moderate
Skeletal Muscle		Sarcoma	Metastatic (Uncertain Primary Site)
[ Sarcoma TGLS = 7-24 ]			
* Spleen		Angiectasis Hematopoietic Cell Proliferation	Moderate Mild
* Stomach, Forestomach		Sarcoma	Metastatic (Uncertain Primary Site)
* Thymus		Sarcoma	Metastatic (Uncertain Primary Site)
* Thyroid Gland	Follicular Cel	Adenoma	
Tissue NOS		Sarcoma	Metastatic (Uncertain Primary Site)
[ Sarcoma TGLS = 8-25 ]			
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:14

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

**Lab:** SRI

---

**ANIMAL ID:** 413

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 725

**DOSE:** 500 MG/L

**DISP:** Natural Death

**HISTO:** 96909

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLS = 6-7 ]

---

PRIMARY CAUSE OF DEATH

- Skeletal Muscle Sarcoma Uncertain Primary Site

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 414

TRT#: 6

SEX: Female

DAY ON TEST: 673

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 96910

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Skin	Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

\* Ovary

OBSERVATIONS

* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Note: MIXED CELL FOCI ARE ON SLIDES 6, 21, AND 22. CLEAR CELL FOCUS IS ON SLIDE 22. [ Hepatocellular Adenoma TGLS = 1-21,2-22 ]			
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
Peripheral Nerve		Atrophy	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 415

TRT#: 6

SEX: Female

DAY ON TEST: 624

DOSE: 500 MG/L

DISP: Moribund Sacrifice

HISTO: 96911

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Diffuse, Moderate
* Bone Marrow		Hyperplasia	Mild
* Brain		Compression	Marked
[ Compression TGLS = 6-1 ]			
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
[ Hepatocellular Adenoma TGLS = 5-6 ]		Hepatocellular Adenoma	
* Lymph Node, Mandibular		Hematopoietic Cell Proliferation	Mild
* Lymph Node, Mesenteric		Atrophy	Marked
* Mammary Gland		Hyperplasia	Moderate
[ Hyperplasia TGLS = 1-8 ]			
* Ovary		Cyst	Moderate
[ Cyst TGLS = 2-7 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 7-1 ]			
* Spleen	Lymph Follic	Atrophy	Moderate
[ Atrophy TGLS = 3-6 ]		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 417

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96913

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	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

INSUFFICIENT TISSUE

\* Gallbladder

OBSERVATIONS

* Esophagus			
Note: ESOPHAGUS IS ON SLIDE 4.			
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Vacuolization Cytoplasmic	Mild
	Hepatocyte		
Note: HEPATOCELLULAR ADENOMAS ARE ON SLIDES 6 AND 22.			
		[ Hepatocellular Adenoma TGLS = 2-22 ]	
		[ Hepatocellular Carcinoma TGLS = 1-21 ]	
* Lung		Hemorrhage	Moderate
	Alveolar Epith	Hyperplasia	Minimal
		[ Hemorrhage TGLS = 5-23,7-25 ]	
		[ Hyperplasia TGLS = 8-2 ]	
* Pituitary Gland	Pars Distalis	Adenoma	
		[ Adenoma TGLS = 3-1 ]	
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 417

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 500 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96913

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 418

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96914

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Harderian Gland		Hyperplasia	Focal, Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[ Eosinophilic Focus TGLS = 2-21 ]			
[ Hepatocellular Adenoma TGLS = 3-6,4-22,5-6 ]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 1-6 ]			
* Thymus		Hyperplasia	Lymphoid, Moderate
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 419

TRT#: 6

DOSE: 500 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 96915

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Intestine Small, Duodenum [ Adenoma TGLS = 7-24 ]		Adenoma	
* Liver  [ Hepatocellular Carcinoma TGLS = 4-22 ]		Eosinophilic Focus Hepatocellular Adenoma Hepatocellular Carcinoma	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Mammary Gland		Hyperplasia	Moderate
* Pituitary Gland [ Adenoma TGLS = 6-1 ]	Pars Distalis	Adenoma	
Skeletal Muscle [ Sarcoma TGLS = 2-25 ]		Sarcoma	Metastatic (Skin)
* Skin [ Sarcoma TGLS = 1-21 ]	Subcut Tiss	Sarcoma	
* Thymus [ Lymphoma Malignant TGLS = 5-23 ]		Lymphoma Malignant	
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus [ Hyperplasia TGLS = 3-7 ]	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 420

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96916

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Bone		Fibrosis	Mild
* Kidney		Inflammation	Chronic, Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCELLULAR CARCINOMAS ARE PRESENT ON SLIDES 6 AND 21. [ Hepatocellular Carcinoma TGLS = 1-21 ]			
Mesentery	Fat	Necrosis	Moderate
Note: LESION ON SLIDE 23 INCLUDES FIBROSIS (ADHESION) BETWEEN PANCREAS AND MESENTERY; NOT TABULATED. [ Necrosis TGLS = 2-22,3-23 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Cyst	Moderate
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicle	Degeneration	Focal, Mild
	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 422

TRT#: 6

SEX: Female

DAY ON TEST: 595

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 96918

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone Marrow		Hyperplasia	Mild
* Harderian Gland		Hyperplasia	Focal, Minimal
* Islets, Pancreatic		Adenoma	
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	

Note: NO CORRESPONDING LESION TGLS-2

[ Basophilic Focus TGLS = 3-6 ]

[ Eosinophilic Focus TGLS = 1-6 ]

[ Hepatocellular Adenoma TGLS = 4-21 ]

* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Minimal
		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

[ Hyperplasia TGLS = 5-7 ]

PRIMARY CAUSE OF DEATH

- Islets, Pancreatic Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Uterus Endometrium Hyperplasia

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:14

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

**Lab:** SRI

---

**ANIMAL ID:** 422

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 595

**DOSE:** 500 MG/L

**DISP:** Natural Death

**HISTO:** 96918

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 423

TRT#: 6

SEX: Female

DAY ON TEST: 702

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 96919

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Trachea		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Salivary Glands	* Thyroid Gland
--------------------------	---------------------	-------------------	-----------------

OBSERVATIONS

* Bone Marrow		Leukemia Granulocytic	
* Heart		Leukemia Granulocytic	
* Kidney		Leukemia Granulocytic	
* Liver		Hepatocellular Adenoma	Multiple
		Necrosis	Focal, Marked
[ Hepatocellular Adenoma TGLS = 3-6, 4-21 ]			
* Lung		Leukemia Granulocytic	
* Lymph Node, Mesenteric		Leukemia Granulocytic	
* Ovary		Leukemia Granulocytic	
* Pancreas		Leukemia Granulocytic	
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Granulocytic	
[ Hematopoietic Cell Proliferation TGLS = 2-6 ]			
[ Leukemia Granulocytic TGLS = 2-6 ]			
* Stomach, Glandular		Leukemia Granulocytic	
* Thymus		Leukemia Granulocytic	
* Urinary Bladder		Leukemia Granulocytic	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
		Leukemia Granulocytic	
[ Hyperplasia TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH - Bone Marrow Leukemia Granulocytic

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:14

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

**Lab:** SRI

---

**ANIMAL ID:** 423

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 702

**DOSE:** 500 MG/L

**DISP:** Natural Death

**HISTO:** 96919

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 424

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96920

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Ovary

OBSERVATIONS

* Liver		Eosinophilic Focus	
	Hepatocyte	Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Moderate
	Note: HEPATOCELLULAR ADENOMAS ARE ON SLIDES 6 AND 21. [ Hepatocellular Adenoma TGLS = 2-21 ]		
* Pancreas		Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Lymphoma Malignant	
* Urin Bladder			
	Note: INFUSION ARTIFACT IN URINARY BLADDER.		
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
			[ Hyperplasia TGLS = 1-7 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:15

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

**Lab:** SRI

---

**ANIMAL ID:** 425

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 568

**DOSE:** 500 MG/L

**DISP:** Natural Death

**HISTO:** 96921

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLS = 5-7 ]

---

PRIMARY CAUSE OF DEATH

- Heart Thrombosis

CONTRIBUTORY CAUSE OF DEATH

- Mesentery Inflammation; Uterus Endometrium Hyperplasia

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 426

TRT#: 6

SEX: Female

DAY ON TEST: 715

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 96922

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Colon	* Intestine Small, Ileum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Hydronephrosis	Mild
		Metaplasia	Osseous, Moderate
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		[ Hepatocellular Adenoma TGLS = 5-6 ]	
		[ Hepatocellular Carcinoma TGLS = 5-6, UPL ]	
* Mammary Gland		Hyperplasia	Mild
* Skin	Subcut Tiss	Sarcoma	
		[ Sarcoma TGLS = 1-21 ]	
* Spleen		Hematopoietic Cell Proliferation	Marked
		[ Hematopoietic Cell Proliferation TGLS = 2-6 ]	
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		[ Hyperplasia TGLS = 3-7,4-7 ]	

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Sarcoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 427

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96923

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Liver		Basophilic Focus	
	Hepatocyte	Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Moderate
	[ Basophilic Focus TGLS = 6-21 ]		
	[ Hepatocellular Adenoma TGLS = 4-6,5-6,7-22 ]		
* Ovary		Cyst	Moderate
		[ Cyst TGLS = 3-7 ]	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		[ Hyperplasia TGLS = 2-7 ]	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 428

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96924

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Note: HEPATOCELLULAR ADENOMAS ARE ON SLIDES 6 AND 21.			
[ Hepatocellular Adenoma TGLS = 2-21 ]			
[ Hepatocellular Carcinoma TGLS = 2-21 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Salivary Glands		Lymphoma Malignant	
* Skin		Cyst Epithelial Inclusion	
[ Cyst Epithelial Inclusion TGLS = 3-22 ]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 429

TRT#: 6

SEX: Female

DAY ON TEST: 658

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 96925

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

\* Parathyroid Gland

AUTO PRECLUDES DIAG.

\* Gallbladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney	Renal Tubule	Pigmentation	Marked
* Liver		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = 9-23, 8-6 ]		
Mesentery	Fat	Necrosis	Marked
	[ Necrosis TGLS = 2-21 ]		
* Ovary		Angiectasis	Marked
		Thrombosis	Marked
	[ Angiectasis TGLS = 4-7 ]		
	[ Thrombosis TGLS = 4-7 ]		
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
	[ Hematopoietic Cell Proliferation TGLS = 3-6 ]		
* Thyroid Gland	Follicle	Cyst	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[ Hyperplasia TGLS = 5-7,6-7 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:15  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 429

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 658

**DOSE:** 500 MG/L

**DISP:** Natural Death

**HISTO:** 96925

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

- Ovary Angiectasis

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 430

TRT#: 6

SEX: Female

DAY ON TEST: 716

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 96926

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

AUTO PRECLUDES DIAG.

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

INSUFFICIENT TISSUE

\* Ovary

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Marked
[ Nephropathy TGLS = 1-5 ]			
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Mixed Cell Focus	
[ Eosinophilic Focus TGLS = 6-23 ]			
[ Hepatocellular Adenoma TGLS = 5-22 ]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Moderate
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 4-21 ]			
* Spleen	Lymph Follic	Atrophy	Moderate
		Pigmentation	Moderate
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Mesentery Fat Necrosis

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 432

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96928

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

\* Ovary

OBSERVATIONS

* Harderian Gland [ Carcinoma TGLS = 5-12 ]		Carcinoma	
* Liver [ Eosinophilic Focus TGLS = 1-6 ] [ Hepatocellular Adenoma TGLS = 1-6 ]		Eosinophilic Focus Hepatocellular Adenoma	Multiple
Lymph Node Note: TATTOO INK IN ILIAC LYMPH NODE (TGL 4); NOT CONSIDERED A LESION.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Uterus [ Hyperplasia TGLS = 3-7 ]	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 433

TRT#: 6

SEX: Female

DAY ON TEST: 635

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 96929

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |               |                          |                          |
|----------------------------|---------------|--------------------------|--------------------------|
| * Bone                     | * Bone Marrow | * Brain                  | * Clitoral Gland         |
| * Esophagus                | * Eye         | * Harderian Gland        | * Intestine Large, Colon |
| * Intestine Small, Jejunum | * Kidney      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland            | * Nose        | * Parathyroid Gland      | * Pituitary Gland        |
| * Salivary Glands          | * Skin        | * Thyroid Gland          | * Trachea                |
| * Urinary Bladder          |               |                          |                          |

MISSING

- |                  |                   |                      |            |
|------------------|-------------------|----------------------|------------|
| * Adrenal Cortex | * Adrenal Medulla | * Islets, Pancreatic | * Pancreas |
|------------------|-------------------|----------------------|------------|

AUTO PRECLUDES DIAG.

- \* Gallbladder

INSUFFICIENT TISSUE

- \* Intestine Large, Rectum

OBSERVATIONS

- |                              |                                  |                        |
|------------------------------|----------------------------------|------------------------|
| * Heart                      | Mineralization                   | Minimal                |
| * Intestine Large, Cecum     | Sarcoma                          | Metastatic (Mesentery) |
| * Intestine Small, Duodenum  | Sarcoma                          | Metastatic (Mesentery) |
| * Intestine Small, Ileum     | Sarcoma                          | Metastatic (Mesentery) |
| * Liver                      | Angiectasis                      | Marked                 |
|                              | Sarcoma                          | Metastatic (Mesentery) |
| [ Angiectasis TGLS = 6-24 ]  |                                  |                        |
| * Lung                       | Sarcoma                          | Metastatic (Mesentery) |
| Mesentery                    | Sarcoma                          |                        |
| [ Sarcoma TGLS = 3-21,4-22 ] |                                  |                        |
| * Ovary                      | Angiectasis                      | Moderate               |
| Skeletal Muscle              | Sarcoma                          | Metastatic (Mesentery) |
| [ Sarcoma TGLS = 5-23 ]      |                                  |                        |
| * Spleen                     | Hematopoietic Cell Proliferation | Mild                   |
| * Stomach, Forestomach       | Sarcoma                          | Metastatic (Mesentery) |
| * Stomach, Glandular         | Sarcoma                          | Metastatic (Mesentery) |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:15  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 433	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 635
	<b>DOSE:</b> 500 MG/L	<b>DISP:</b> Natural Death	<b>HISTO:</b> 96929

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Thymus		Sarcoma	Metastatic (Mesentery)
* Urin Bladder			
Note: INFUSION ARTIFACT IN URINARY BLADDER.			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 2-7 ]			

---

PRIMARY CAUSE OF DEATH - Mesentery Sarcoma

---

\* PROTOCOL REQUIRED TISSUE





Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 435

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96931

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone		Fibrosis	Moderate
* Kidney		Infarct	
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Note: EOSINOPHILIC FOCI ARE ON SLIDES 6, 24, AND 27.			
[ Eosinophilic Focus TGLS = 9-27, 10-6 ]			
[ Hepatocellular Adenoma TGLS = 3-22,5-24,8-26,10-6 ]			
[ Hepatocellular Carcinoma TGLS = 4-23 ]			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 2-21 ]			
* Salivary Glands		Hyperplasia	Lymphoid, Moderate
* Skin	Subcut Tiss	Fibrous Histiocytoma	
[ Fibrous Histiocytoma TGLS = 7-25 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Marked
	Follicular Cel	Hyperplasia	Mild
[ Degeneration TGLS = 6-3 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:15  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 435

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 736

**DOSE:** 500 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96931

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLS = 1-7 ]

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 437

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96933

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

INSUFFICIENT TISSUE

\* Pituitary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Liver		Hepatocellular Carcinoma	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[ Hepatocellular Carcinoma TGLS = 3-6 ]		
* Lung		Hemorrhage	Minimal
		Hepatocellular Carcinoma	Metastatic (Liver)
* Ovary		Cystadenoma	
	[ Cystadenoma TGLS = 1-21 ]		
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follicle	Hyperplasia	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[ Hyperplasia TGLS = 2-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 438

TRT#: 6

DOSE: 500 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 96934

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Note: HEPATOCELLULAR CARCINOMAS ARE ON SLIDES 6 AND 21. [ Hepatocellular Carcinoma TGLS = 3-21 ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: METASTATIC HEPATOCELLULAR CARCINOMA IS ON SLIDES 2 AND 22. [ Hepatocellular Carcinoma TGLS = 4-22 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 1-6 ]			
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 5-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 439

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96935

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone Marrow		Hyperplasia	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[ Eosinophilic Focus TGLS = UPLB, 6 ]		
	[ Hepatocellular Adenoma TGLS = 3-6, UPLA ]		
	[ Hepatocellular Carcinoma TGLS = 2-21 ]		
* Spleen	Lymph Follic	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[ Hyperplasia TGLS = 1-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 440

TRT#: 6

SEX: Female

DAY ON TEST: 636

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 96936

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Small, Duodenum	* Intestine Small, Jejunum
---------------	-----------------------------	----------------------------

INSUFFICIENT TISSUE

\* Clitoral Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Liver	Hepatocyte	Fatty Change	Mild
[ Fatty Change TGLS = 3-6 ]			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Uterus		Sarcoma Stromal	
[ Sarcoma Stromal TGLS = 1-21 ]			

PRIMARY CAUSE OF DEATH

- Uterus Sarcoma Stromal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 442

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96938

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[ Hepatocellular Carcinoma TGLS = 1-21 ]			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 2-22,3-23 ]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 4-7,5-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 443

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96939

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Intestine Small, Jejunum	Epithelium	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Hepatocyte	Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Moderate
Note: HEPATOCELLULAR ADENOMAS ARE ON SLIDES 6 AND 21. [ Hepatocellular Adenoma TGLS = 1-21, UPL ]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Moderate
		[ Hematopoietic Cell Proliferation TGLS = 4-6 ]	
		[ Hyperplasia TGLS = 4-6 ]	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		[ Hyperplasia TGLS = 2-7,3-7 ]	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 444

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96940

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone Marrow		Hyperplasia	Mild
* Islets, Pancreatic		Adenoma	
* Liver		Eosinophilic Focus	
	Hepatocyte	Hepatocellular Adenoma	
	[ Eosinophilic Focus TGLS = 7-25 ]	Vacuolization Cytoplasmic	Mild
	[ Hepatocellular Adenoma TGLS = 8-26 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[ Alveolar/Bronchiolar Adenoma TGLS = 6-24 ]	Hemorrhage	Minimal
Mesentery		Proliferation Connective Tissue	
	[ Proliferation Connective Tissue TGLS = 4-22 ]		
* Ovary		Cyst	Moderate
	[ Cyst TGLS = 3-7 ]		
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 5-23 ]		
* Spleen		Hemangiosarcoma	
	Lymph Follic	Hematopoietic Cell Proliferation	Moderate
	[ Hemangiosarcoma TGLS = 1-21 ]	Hyperplasia	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:15  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 444

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 500 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96940

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thyroid Gland

Follicle

Degeneration

Focal, Moderate

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

---

[ Hyperplasia TGLS = 2-7 ]

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 447

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96943

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* 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	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Harderian Gland		Hyperplasia	Focal, Minimal
* Kidney		Inflammation	Chronic, Mild
* Liver		Hepatocellular Adenoma	
	Hepatocyte	Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 3-22 ]	Vacuolization Cytoplasmic	Mild
	[ Hepatocellular Carcinoma TGLS = 1-21 ]		
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Skin	Subcut Tiss	Hemangiosarcoma	
	[ Hemangiosarcoma TGLS = 5-8 ]		
* Spleen		Hematopoietic Cell Proliferation	Marked
	[ Hematopoietic Cell Proliferation TGLS = 2-6 ]		
Tissue NOS		Hemangiosarcoma	
Note: HEMANGIOSARCOMA CODED UNDER TISSUE NOS IS ADJACENT TO THE THYMUS IN MEDIASTINUM ON SLIDE 3.			
* Urinary Bladder		Inflammation	Chronic, Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hyperplasia TGLS = 4-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 448

TRT#: 6

SEX: Female

DAY ON TEST: 653

DOSE: 500 MG/L

DISP: Natural Death

HISTO: 96944

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Mixed Cell, Mild
* Lung		Sarcoma	Metastatic (Skin)
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	Subcut Tiss	Sarcoma	
	[ Sarcoma TGLS = 3-21 ]		
* Spleen		Hematopoietic Cell Proliferation	Marked
	[ Hematopoietic Cell Proliferation TGLS = 2-6 ]		
* Thymus		Atrophy	Moderate
		Cyst	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Sarcoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 449

TRT#: 6

DOSE: 500 MG/L

SEX: Female

DISP: Natural Death

DAY ON TEST: 724

HISTO: 96945

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[ Hepatocellular Adenoma TGLS = 7-23,8-24,9-25 ]		
	[ Hepatocellular Carcinoma TGLS = 4-21,5-22 ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
		Infiltration Cellular	Histiocyte, Mild
	[ Hepatocellular Carcinoma TGLS = 6-2 ]		
* Ovary		Cyst	Moderate
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
	Lymph Follic	Hyperplasia	Mild
	[ Hematopoietic Cell Proliferation TGLS = 2-6 ]		
	[ Hyperplasia TGLS = 2-6 ]		
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[ Hyperplasia TGLS = 1-7 ]		

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 452

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96948

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Liver		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 2-6 ]	Vacuolization Cytoplasmic	Marked
	[ Hepatocellular Carcinoma TGLS = 2-6 ]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Cyst	Moderate
	[ Cyst TGLS = 3-7 ]		
* Pancreas		Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Mild
	[ Hematopoietic Cell Proliferation TGLS = 1-6 ]	Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 1-6 ]		
* Thymus		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 6-3 ]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hyperplasia TGLS = 4-7,5-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 453

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96949

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* 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	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[ Hepatocellular Adenoma TGLS = 5-6 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 2-22 ]			
* Saliv Glands			
Note: SALIVARY GLAND IS ON SLIDE 22.			
* Spleen		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 3-6 ]			
* Thymus		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 6-3 ]			
* Thyroid Gland	Follicle	Cyst	Moderate
	Follicle	Degeneration	Focal, Minimal
	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 4-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 454

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96950

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

\* Ovary

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Hepatocyte	Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Moderate
Note: HEPATOCELLULAR ADENOMAS ARE ON SLIDES 6 AND 21. [ Hepatocellular Adenoma TGLS = 2-21 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Skin	Subcut Tiss	Sarcoma	
[ Sarcoma TGLS = 3-22 ]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Lymphoma Malignant	
		Squamous Cell Papilloma	
* Stomach, Forestomach			
[ Squamous Cell Papilloma TGLS = 4-23 ]			
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 455

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96951

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone Marrow            | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * 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                      | * Ovary                  | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        | * Skin                     |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

OBSERVATIONS

- |   |             |                                  |   |
|---|-------------|----------------------------------|---|
| * Bone  |             | Fibrosis                         | Mild  |
| * Liver   |             | Eosinophilic Focus               |   |
|   |             | Hepatocellular Adenoma           | Multiple  |
|   | Hepatocyte  | Hepatocellular Carcinoma         |   |
|   |             | Vacuolization Cytoplasmic        | Moderate  |
| Note: HEPATOCELLULAR ADENOMAS ARE ON SLIDES 6 AND 22. |             |                                  |   |
|   |             |                                  | [ Hepatocellular Adenoma TGLS = 4-22 ]          |
|   |             |                                  | [ Hepatocellular Carcinoma TGLS = 3-21 ]        |
| * Lymph Node, Mandibular                              |             | Lymphoma Malignant               |   |
| * Spleen  |             | Hematopoietic Cell Proliferation | Moderate  |
|   |             | Lymphoma Malignant               |   |
|   |             |                                  | [ Hematopoietic Cell Proliferation TGLS = 2-6 ] |
|   |             |                                  | [ Lymphoma Malignant TGLS = 2-6 ]               |
| * Thyroid Gland                                       | Follicle    | Degeneration                     | Focal, Mild                                     |
| * Uterus  | Endometrium | Hyperplasia                      | Cystic, Marked                                  |
|   |             |                                  | [ Hyperplasia TGLS = 1-7 ]                      |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 457

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96953

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[ Eosinophilic Focus TGLS = 2-6 ]		
	[ Hepatocellular Adenoma TGLS = 1-21, 3-22 ]		
	[ Hepatocellular Carcinoma TGLS = 3-22 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Moderate
	[ Alveolar/Bronchiolar Adenoma TGLS = 6-23 ]		
	[ Infiltration Cellular TGLS = 6-23 ]		
* Lymph Node, Mandibular		Pigmentation	Moderate
* Ovary		Cyst	Moderate
	[ Cyst TGLS = 5-7 ]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
	[ Hyperplasia TGLS = 4-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 458

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96954

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Note: EOSINOPHILIC FOCUS IS ON SLIDE 24.			
		[ Hepatocellular Adenoma TGLS = 5-23,6-6,7-24,8-6,11-26 ]	
		[ Hepatocellular Carcinoma TGLS = 1-21,5-23,9-25 ]	
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
		[ Hyperplasia TGLS = 10-2 ]	
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery	Fat	Necrosis	Marked
		[ Necrosis TGLS = 2-22 ]	
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Lymphoma Malignant	
		[ Lymphoma Malignant TGLS = 4-6 ]	
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Angiectasis	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:15  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 459	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 489
	<b>DOSE:</b> 500 MG/L	<b>DISP:</b> Natural Death	<b>HISTO:</b> 96955

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder

---

**MISSING**

* Lymph Node, Mandibular	* Lymph Node, Mesenteric
--------------------------	--------------------------

---

**OBSERVATIONS**

* Harderian Gland [ Adenoma TGLS = 3-22 ]		Adenoma	
* Liver Mesentery [ Necrosis TGLS = 2-21 ]	Fat	Basophilic Focus Necrosis	Moderate
* Stomach, Glandular [ Erosion TGLS = 4-4 ]		Erosion	Moderate
* Thymus		Atrophy	Moderate
* Uterus [ Hyperplasia TGLS = 1-7 ]	Endometrium	Hyperplasia	Cystic, Minimal

---

<b>PRIMARY CAUSE OF DEATH</b>	- UNCERTAIN
-------------------------------	-------------

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 460

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 500 MG/L

DISP: Terminal Sacrifice

HISTO: 96956

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Heart	* 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
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Harderian Gland		Hyperplasia	Focal, Minimal
* Kidney		Infarct	
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Note: EOSINOPHILIC FOCI ARE ON SLIDES 6 AND 22. [ Eosinophilic Focus TGLS = 4-22 ] [ Hepatocellular Adenoma TGLS = 2-6,3-21,5-23 ]			
* Spleen		Lymphoma Malignant	
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Urin Bladder			
Note: INFUSION ARTIFACT IN URINARY BLADDER.			
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 463

TRT#: 8

SEX: Female

DAY ON TEST: 359

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 96959

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

\* Adrenal Medulla

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Small, Ileum	* Lymph Node, Mesenteric
---------------	--------------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
	Capsule	Hyperplasia	Mild
* Bone		Osteosarcoma	
[ Osteosarcoma TGLS = 2-22,6-23,7-24 ]			
* Bone Marrow		Hyperplasia	Moderate
* Lung		Osteosarcoma	Metastatic (Bone)
[ Osteosarcoma TGLS = 5-2 ]			
Lymph Node	Inguinal	Osteosarcoma	Metastatic (Bone)
[ Osteosarcoma TGLS = 1-21 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 3-6 ]			

PRIMARY CAUSE OF DEATH

- Bone Osteosarcoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

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: 736

HISTO: 96960

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Islets, Pancreatic		Adenoma	
[ Adenoma TGLS = 4-22 ]			
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Marked
Note: HEPATOCELLULAR CARCINOMAS ARE PRESENT ON SLIDES 6 AND 21.			
			[ Hepatocellular Carcinoma TGLS = 1-21 ]
* Mammary Gland		Hyperplasia	Moderate
* Ovary		Angiectasis	Mild
		Cyst	Moderate
[ Cyst TGLS = 3-7 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 6-1 ]			
* Salivary Glands		Atrophy	Mild
* Skin	Subcut Tiss	Hemangiosarcoma	
[ Hemangiosarcoma TGLS = 5-23 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 2-7 ]			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:15  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 464

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 736

**DOSE:** 1000 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96960

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 465

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 96961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Islets, Pancreatic		Adenoma	
* Liver		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 1-21,3-6 ]	Vacuolization Cytoplasmic	Moderate
	[ Hepatocellular Carcinoma TGLS = 2-22 ]		
* Ovary		Cystadenoma	
	[ Cystadenoma TGLS = 5-7 ]		
* Skin	Subcut Tiss	Hemangioma	
	Note: HEMANGIOMA IS ON SLIDE 8 NEAR SECTION OF SALIVARY GLAND.		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 6-6 ]		
* Thymus		Hyperplasia	Lymphoid, Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[ Hyperplasia TGLS = 4-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 468

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 96964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

\* Clitoral Gland

OBSERVATIONS

* Liver		Basophilic Focus	
	Bile Duct	Cyst Multilocular	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Vacuolization Cytoplasmic	Marked
[ Basophilic Focus TGLS = 1-21 ]			
[ Cyst Multilocular TGLS = 2-22 ]			
[ Eosinophilic Focus TGLS = 1-21 ]			
[ Hepatocellular Adenoma TGLS = UPL ]			
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 3-23 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[ Hyperplasia TGLS = 4-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 469

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 96965

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Brain                   | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder             | * Heart                     | * 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                      | * Ovary                  | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        | * Skin                     |
| * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   |
| * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |                            |

MISSING

- \* Lymph Node, Mandibular

OBSERVATIONS

- |  |             |                           |                |
|--|-------------|---------------------------|----------------|
| * Harderian Gland  |             | Adenoma                   |                |
| * Liver  |             | Eosinophilic Focus        |                |
|  | Hepatocyte  | Hepatocellular Adenoma    | Multiple       |
|  |             | Vacuolization Cytoplasmic | Moderate       |
| Note: HEPATOCELLULAR ADENOMAS ARE ON SLIDES 6, 21, AND 22. |             |                           |                |
| [ Eosinophilic Focus TGLS = 4-23 ]                         |             |                           |                |
| [ Hepatocellular Adenoma TGLS = 2-21,3-22 ]                |             |                           |                |
| * Urin Bladder   |             |                           |                |
| Note: INFUSION ARTIFACT IN URINARY BLADDER.                |             |                           |                |
| * Uterus   | Endometrium | Hyperplasia               | Cystic, Marked |
| [ Hyperplasia TGLS = 1-7 ]                                 |             |                           |                |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

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: 735

HISTO: 96966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Liver		Basophilic Focus	
	Hepatocyte	Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Marked
	[ Basophilic Focus TGLS = 5-25 ]		
	[ Hepatocellular Adenoma TGLS = 2-21,3-23,4-24,7-6 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 8-27 ]		
* Uterus		Angiectasis	Marked
	Endometrium	Hyperplasia	Cystic, Moderate
	Note: THE AREA OF ANGIECTASIS CONTAINS A LARGE THROMBUS; NOT TABULATED.		
	[ Angiectasis TGLS = 1-22 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 471

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 96967

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea

OBSERVATIONS

* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[ Eosinophilic Focus TGLS = 5-23,7-25 ]		
	[ Hepatocellular Adenoma TGLS = 6-24,8-26 ]		
* Parathyroid Gland		Cyst	Moderate
Skeletal Muscle		Rhabdomyosarcoma	
	[ Rhabdomyosarcoma TGLS = 1-21 ]		
* Skin	Subcut Tiss	Sarcoma	
	[ Sarcoma TGLS = 2-22 ]		
* Spleen		Hematopoietic Cell Proliferation	Marked
	[ Hematopoietic Cell Proliferation TGLS = 4-6 ]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[ Hyperplasia TGLS = 3-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 473

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 96969

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

\* Lymph Node, Mandibular

OBSERVATIONS

* Harderian Gland		Adenoma	
[ Adenoma TGLS = 7-12 ]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Vacuolization Cytoplasmic	Marked
[ Eosinophilic Focus TGLS = 8-25,5-23 ]			
[ Hepatocellular Adenoma TGLS = 4-22,5-23 ]			
[ Hepatocellular Carcinoma TGLS = 3-21 ]			
* Lung		Foreign Body	
Mesentery		Hemangioma	
[ Hemangioma TGLS = 2-24 ]			
* Parathyroid Gland		Cyst	Moderate
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 6-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 474

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 96970

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Lymphoma Malignant	
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Note: EOSINOPHILIC FOCI PRESENT ON SLIDES 6 AND 24. HEPATOCELLULAR ADENOMAS PRESENT ON SLIDES 6 AND 25.			
		[ Eosinophilic Focus TGLS = 7-24 ]	
		[ Hepatocellular Adenoma TGLS = 8-25,1-21 ]	
		[ Lymphoma Malignant TGLS = 6-6 ]	
Lymph Node	Iliac	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
		[ Lymphoma Malignant TGLS = 4-22 ]	
		[ Lymphoma Malignant TGLS = 5-23 ]	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
		[ Lymphoma Malignant TGLS = 3-6 ]	
* Thymus		Hyperplasia	Lymphoid, Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Urin Bladder			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:15  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 474

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 1000 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96970

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: INFUSION ARTIFACT IN URINARY BLADDER.

\* Uterus

Endometrium

Hyperplasia

Cystic, Marked

[ Hyperplasia TGLS = 2-7 ]

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 475

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 96971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 2-6,3-22,5-23,1-21 ]	Vacuolization Cytoplasmic	Marked
	[ Hepatocellular Carcinoma TGLS = 1-21 ]		
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Intermed	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Cyst	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[ Hyperplasia TGLS = 4-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

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: 735

HISTO: 96972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Intestine Small, Jejunum [ Hyperplasia TGLS = 3-3 ]		Hyperplasia	Lymphoid, Moderate
* Kidney		Infarct	
		Metaplasia	Osseous, Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Vacuolization Cytoplasmic	Marked
[ Hepatocellular Adenoma TGLS = UPL ]			
[ Hepatocellular Carcinoma TGLS = 1-21 ]			
* Lung		Hemorrhage	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 2-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 478

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 96974

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Intestine Small, Duodenum		Adenoma	
[ Adenoma TGLS = 4-22 ]			
* Liver		Eosinophilic Focus	
	Hepatocyte	Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Moderate
[ Eosinophilic Focus TGLS = 6-6 ]			
[ Hepatocellular Adenoma TGLS = 5-6,UPLA,UPLB ]			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 3-21 ]			
* Ovary		Granulosa Cell Tumor Benign	
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 2-6 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 479

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 96975

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone		Fibrosis	Mild
* Liver		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 1-6,UPLA ]	Vacuolization Cytoplasmic	Moderate
	[ Hepatocellular Carcinoma TGLS = 1-6 ]		
* Lung		Infiltration Cellular	Histiocyte, Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
	Lymph Follic	Hyperplasia	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hyperplasia TGLS = 2-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 480

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 96976

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Liver		Eosinophilic Focus	
	Hepatocyte	Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = 2-6,UPLA,UPLB ]	Vacuolization Cytoplasmic	Moderate
* Lung		Alveolar/Bronchiolar Carcinoma	
	[ Alveolar/Bronchiolar Carcinoma TGLS = 3-2 ]		
* Ovary	Corpus Luteum	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[ Hyperplasia TGLS = 1-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 481

TRT#: 8

SEX: Female

DAY ON TEST: 700

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 96977

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, Ileum | * Islets, Pancreatic     | * Kidney                 | * Lung                    |
| * Mammary Gland          | * Nose                   | * Ovary                  | * Pancreas                |
| * Parathyroid Gland      | * Pituitary Gland        | * Salivary Glands        | * Skin                    |
| * Stomach, Forestomach   | * Stomach, Glandular     | * Thyroid Gland          | * Trachea                 |
| * Urinary Bladder        |                          |                          |                           |

MISSING

- |                  |                          |
|------------------|--------------------------|
| * Clitoral Gland | * Lymph Node, Mandibular |
|------------------|--------------------------|

AUTO PRECLUDES DIAG.

- \* Gallbladder

OBSERVATIONS

- |   |             |                                  |                |
|---|-------------|----------------------------------|----------------|
| * Intestine Small, Duodenum                     |             | Lymphoma Malignant               |                |
| * Intestine Small, Jejunum                      |             | Lymphoma Malignant               |                |
| [ Lymphoma Malignant TGLS = 6-3 ]               |             |                                  |                |
| * Liver   | Hepatocyte  | Basophilic Focus                 |                |
|   |             | Vacuolization Cytoplasmic        | Moderate       |
| * Lymph Node, Mesenteric                        |             | Lymphoma Malignant               |                |
| [ Lymphoma Malignant TGLS = 5-22 ]              |             |                                  |                |
| Mesentery                                       | Fat         | Necrosis                         | Mild           |
| [ Necrosis TGLS = 4-21 ]                        |             |                                  |                |
| * Spleen  |             | Hematopoietic Cell Proliferation | Mild           |
|   |             | Lymphoma Malignant               |                |
| [ Hematopoietic Cell Proliferation TGLS = 3-6 ] |             |                                  |                |
| [ Lymphoma Malignant TGLS = 3-6 ]               |             |                                  |                |
| * Thymus  |             | Lymphoma Malignant               |                |
| [ Lymphoma Malignant TGLS = 7-3 ]               |             |                                  |                |
| * Uterus  | Endometrium | Hyperplasia                      | Cystic, Marked |
| [ Hyperplasia TGLS = 2-7 ]                      |             |                                  |                |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:15

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

**Lab:** SRI

---

**ANIMAL ID:** 481

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 700

**DOSE:** 1000 MG/L

**DISP:** Natural Death

**HISTO:** 96977

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

- Spleen Lymphoma Malignant

---

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

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: 96979

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Trachea	

INSUFFICIENT TISSUE

\* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Kidney		Infarct	
		Inflammation	Chronic, Mild
* Liver		Eosinophilic Focus	
	Hepatocyte	Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = 5-23,1-21 ]	Vacuolization Cytoplasmic	Moderate
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Foreign Body	
		Hyperplasia	Moderate
	[ Alveolar/Bronchiolar Carcinoma TGLS = 3-2 ]	Infiltration Cellular	Histiocyte, Marked
	[ Hyperplasia TGLS = 4-22 ]		
* Nose		Inflammation	Chronic, Mild
* Ovary		Angiectasis	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
	Lymph Follic	Hyperplasia	Mild
* Stomach, Forestomach		Diverticulum	
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Urinary Bladder		Inflammation	Chronic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:15  
**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:** 96979

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Uterus  
[ Hyperplasia TGLS = 2-7 ]

Endometrium

Hyperplasia

Cystic, Moderate

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 484

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Natural Death

DAY ON TEST: 551

HISTO: 96980

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Intestine Large, Rectum	* Kidney	Lymph Node	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Intestine Small, Jejunum	* Lymph Node, Mandibular
----------------------------	--------------------------

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Ovary
* Pancreas			

OBSERVATIONS

* Eye [ Atrophy TGLS = 6-21 ]	Atrophy	Marked
* Heart Note: THE HEART THROMBUS APPEARS TO BE PARTIALLY OSSIFIED.	Thrombosis	Moderate
* Liver [ Autolysis TGLS = 2-6 ]	Autolysis Hepatocellular Adenoma	Moderate Multiple
* Lung [ Infiltration Cellular TGLS = 3-2 ]	Infiltration Cellular	Histiocyte, Moderate
* Urin Bladder Note: INFUSION ARTIFACT IN URINARY BLADDER.		

PRIMARY CAUSE OF DEATH

- Heart Thrombosis

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 485

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 96981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Skin
* Spleen	* Stomach, Forestomach	* Thymus	* Urinary Bladder

MISSING

* Esophagus	* Lymph Node, Mandibular	* Parathyroid Gland	* Salivary Glands
* Thyroid Gland	* Trachea		

AUTO PRECLUDES DIAG.

\* Intestine Small, Jejunum

OBSERVATIONS

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Centrilobular	Necrosis	Minimal
	[ Eosinophilic Focus TGLS = 3-6 ]		
	[ Hepatocellular Adenoma TGLS = 3-6 ]		
	[ Hepatocellular Carcinoma TGLS = 2-21 ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Stomach, Glandular		Ulcer	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hyperplasia TGLS = 1-7 ]		

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

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: 96982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Sarcoma	Metastatic (Skin)
* Bone Marrow		Hyperplasia	Moderate
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Marked
* Liver		Hematopoietic Cell Proliferation	Moderate
		Hepatocellular Adenoma	
		Sarcoma	Metastatic (Skin)
		[ Sarcoma TGLS = 4-6,5-6 ]	
* Lung		Alveolar/Bronchiolar Adenoma	
		[ Alveolar/Bronchiolar Adenoma TGLS = 6-24 ]	
* Mammary Gland		Hyperplasia	Moderate
Mesentery		Sarcoma	Metastatic (Skin)
		[ Sarcoma TGLS = 2-21 ]	
* Ovary		Angiectasis	Marked
		Cyst	Moderate
		[ Angiectasis TGLS = 7-7 ]	
		[ Cyst TGLS = 8-7 ]	
* Pancreas		Sarcoma	Metastatic (Skin)
Skeletal Muscle		Sarcoma	Metastatic (Skin)
		[ Sarcoma TGLS = 3-22 ]	
* Skin		Edema	Marked
	Subcut Tiss	Sarcoma	
		[ Sarcoma TGLS = 11-23 ]	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:15  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

<b>ANIMAL ID:</b> 486	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 736
	<b>DOSE:</b> 1000 MG/L	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 96982

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Spleen	Lymph Follic	Atrophy Hematopoietic Cell Proliferation	Moderate Marked
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

[ Hyperplasia TGLS = 9-7,10-7 ]

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 488

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 96984

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland	* Thymus
---------------------	----------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 4-6,9-25 ]	Vacuolization Cytoplasmic	Moderate
	[ Hepatocellular Carcinoma TGLS = 5-22 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	[ Alveolar/Bronchiolar Carcinoma TGLS = 7-23,8-24 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 2-21 ]		
* Ovary		Cyst	Moderate
	[ Cyst TGLS = 3-7 ]		
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-6 ]		
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:15

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

**Lab:** SRI

---

**ANIMAL ID:** 488

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 736

**DOSE:** 1000 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 96984

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

---

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

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: 736

HISTO: 96985

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea

OBSERVATIONS

* Adrenal Cortex	Zona Reticul	Vacuolization Cytoplasmic	Moderate
Note: CYTOPLASMIC VACUOLIZATION IS TYPICAL OF PERSISTENT X-ZONE IN ADRENAL GLAND.			
* Liver		Eosinophilic Focus	
	Hepatocyte	Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Moderate
Note: HEPATOCELLULAR ADENOMAS ARE PRESENT ON SLIDES 6, 22, AND 23. [ Hepatocellular Adenoma TGLS = 3-22,4-23 ]			
* Lung		Hemorrhage	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[ Hyperplasia TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 490

TRT#: 8

SEX: Female

DAY ON TEST: 725

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 96986

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                          |                           |                          |
|--------------------------|--------------------------|---------------------------|--------------------------|
| * Adrenal Cortex         | * Adrenal Medulla        | * Bone                    | * Brain                  |
| * Clitoral Gland         | * Esophagus              | * Eye                     | * Harderian Gland        |
| * Heart                  | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Ileum |
| * Islets, Pancreatic     | * Kidney                 | * Lung                    | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland          | * Nose                    | * Pancreas               |
| * Parathyroid Gland      | * Pituitary Gland        | * Salivary Glands         | * Skin                   |
| * Stomach, Glandular     | * Thyroid Gland          | * Trachea                 | * Urinary Bladder        |
| * Uterus                 |                          |                           |                          |

AUTO PRECLUDES DIAG.

- |               |                          |                             |                            |
|---------------|--------------------------|-----------------------------|----------------------------|
| * Gallbladder | * Intestine Large, Cecum | * Intestine Small, Duodenum | * Intestine Small, Jejunum |
|---------------|--------------------------|-----------------------------|----------------------------|

OBSERVATIONS

- |                        |  |                                  |          |
|------------------------|--|----------------------------------|----------|
| * Bone Marrow          |  | Hyperplasia                      | Mild     |
| * Liver                |  | Hepatocellular Adenoma           | Multiple |
|                        | Centrilobular                              | Hepatocellular Carcinoma         | Multiple |
|                        | [ Hepatocellular Adenoma TGLS = 2-6, UPL ] | Necrosis                         | Mild     |
|                        | [ Hepatocellular Carcinoma TGLS = 2-6 ]    |                                  |          |
| * Ovary                |  | Angiectasis                      | Marked   |
|                        | [ Angiectasis TGLS = 1-21 ]                |                                  |          |
| * Spleen               |  | Hematopoietic Cell Proliferation | Marked   |
| * Stomach, Forestomach |  | Squamous Cell Papilloma          |          |
|                        | [ Squamous Cell Papilloma TGLS = 4-22 ]    |                                  |          |
| * Thymus               |  | Atrophy                          | Moderate |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Ovary Angiectasis

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 491

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 96987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[ Eosinophilic Focus TGLS = 2-6 ]		
Lymph Node	Iliac	Hematopoietic Cell Proliferation	Minimal
	Note: TATTOO INK PRESENT IN ILIAC LYMPH NODE; NOT TABULATED.		
	[ Hematopoietic Cell Proliferation TGLS = 4-21 ]		
* Spleen		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Moderate
	[ Hemangiosarcoma TGLS = 1-22 ]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hyperplasia TGLS = 3-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 493

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 96989

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* 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
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Eye		Cataract	Mild
* Harderian Gland		Adenoma	
[ Adenoma TGLS = 4-12 ]			
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Note: HEPATOCELLULAR VACUOLIZATION IS PRIMARILY IN THE PORTAL AND PERIportal AREAS WITH RELATIVE SPARING OF THE CENTRILobular AREAS.			
Note: HEPATOCELLULAR ADENOMAS ARE PRESENT ON SLIDES 6 AND 21.			
			[ Hepatocellular Adenoma TGLS = 1-21 ]
			[ Hepatocellular Carcinoma TGLS = 1-21 ]
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Pigmentation	Moderate
		Carcinoma	
* Mammary Gland			
[ Carcinoma TGLS = 3-22 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 2-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 494

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 96990

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Harderian Gland		Adenoma	
[ Adenoma TGLS = 4-12 ]			
* Kidney		Lymphoma Malignant	
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Vacuolization Cytoplasmic	Marked
[ Hepatocellular Adenoma TGLS = 1-6,UPL ]			
[ Hepatocellular Carcinoma TGLS = 1-21 ]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Parathyroid Gland		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
* Salivary Glands		Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[ Hyperplasia TGLS = 3-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 495

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 96991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Harderian Gland		Adenoma	
* Liver	Hepatocyte	Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = 3-6,UPL ]	Vacuolization Cytoplasmic	Moderate
* Ovary		Cyst	Moderate
	[ Cyst TGLS = 2-7 ]		
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hyperplasia TGLS = 1-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

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: 96994

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Liver	Hepatocyte	Hepatocellular Adenoma Vacuolization Cytoplasmic	Multiple Moderate
	[ Hepatocellular Adenoma TGLS = 3-6,UPLA,UPLB,UPLC ]		
* Ovary		Cyst	Moderate
	[ Cyst TGLS = 2-7 ]		
* Salivary Glands		Hyperplasia	Lymphoid, Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[ Hyperplasia TGLS = 1-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

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: 96995

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Gallbladder			
Note: GALLBLADDER IS PRESENT ON SLIDE 22.			
* Kidney		Casts Granular	Mild
* Liver		Hepatocellular Adenoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[ Hepatocellular Adenoma TGLS = 1-21,2-6 ]			
* Lymph Node, Mandibular		Pigmentation	Moderate
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 4-23 ]			
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Angiectasis	Moderate
		Hyperplasia	Cystic, Marked
Note: ANGIECTATIC AREAS CONTAIN THROMBI.			
[ Angiectasis TGLS = 6-24 ]			
[ Hyperplasia TGLS = 3-7,6-24 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE





Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 503

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 96999

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	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

\* Gallbladder

OBSERVATIONS

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Note: EOSINOPHILIC FOCUS IS ON SLIDE 23. HEPATOCELLULAR ADENOMA AND CARCINOMA ALSO PRESENT ON SLIDE 6.			
[ Hepatocellular Adenoma TGLS = 3-22,4-23,6-25,1-21 ]			
[ Hepatocellular Carcinoma TGLS = 5-24,6-25 ]			
* Ovary		Angiectasis	Mild
		Cystadenoma	
* Spleen	Lymph Follic	Hyperplasia	Moderate
[ Hyperplasia TGLS = 2-6 ]			
* Urin Bladder			
Note: INFUSION ARTIFACT IN URINARY BLADDER.			
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 7-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 505

TRT#: 8

SEX: Female

DAY ON TEST: 673

DOSE: 1000 MG/L

DISP: Moribund Sacrifice

HISTO: 97001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Uterus	

MISSING

* Adrenal Medulla	* Gallbladder
-------------------	---------------

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 1-21,2-6 ]			
* Ovary		Cystadenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Urinary Bladder		Inflammation	Chronic, Mild

Note: INFUSION ARTIFACT IN URINARY BLADDER.

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 506

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 723

HISTO: 97002

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Skin	Spinal Cord	* Spleen	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Intestine Small, Duodenum [ Hyperplasia TGLS = 6-4 ]	Epithelium	Hyperplasia	Moderate
* Kidney		Inflammation	Chronic, Mild
* Liver		Hepatocellular Adenoma	Multiple
		Tension Lipidosis	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[ Hepatocellular Adenoma TGLS = 2-6 ]			
* Ovary [ Cyst TGLS = 3-7 ]		Cyst	Moderate
Peripheral Nerve		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Stomach, Glandular		Erosion	Minimal
* Thymus		Atrophy	Moderate
* Uterus [ Hyperplasia TGLS = 4-7 ]	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 507

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Natural Death

DAY ON TEST: 500

HISTO: 97003

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

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

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Harderian Gland [ Adenoma TGLS = 2-21 ]		Adenoma	
* Kidney		Metaplasia	Osseous, Minimal
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Marked
* Stomach, Forestomach [ Hyperplasia TGLS = 3-4 ]	Epithelium	Hyperplasia	Squamous, Mild
* Stomach, Glandular  [ Erosion TGLS = 3-4 ] [ Ulcer TGLS = 3-4 ]		Erosion Ulcer	Moderate Moderate
* Uterus  [ Hyperplasia TGLS = 1-7 ]	Endometrium	Hemorrhage Hyperplasia	Moderate Cystic, Moderate

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 508

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 97004

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Eye	* Gallbladder	* 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	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

\* Clitoral Gland

OBSERVATIONS

* Adren Cortex			
Note: CYST WITHIN ONE ADRENAL CORTEX; MORPHOLOGY NOT AVAILABLE ON TDMS.			
* Bone Marrow		Hemangiosarcoma	
* Liver		Eosinophilic Focus	
	Hepatocyte	Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Marked
	[ Eosinophilic Focus TGLS = UPLB ]		
	[ Hepatocellular Adenoma TGLS = 1-6,UPLA,UPLC ]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Hemorrhage	Minimal
* Lymph Node, Mandibular		Pigmentation	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Salivary Glands		Hyperplasia	Lymphoid, Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
	[ Hematopoietic Cell Proliferation TGLS = 2-6 ]		
	[ Hyperplasia TGLS = 2-6 ]		
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[ Hyperplasia TGLS = 3-7 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:15

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

**Lab:** SRI

---

**ANIMAL ID:** 508

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 1000 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97004

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 509

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97005

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* 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
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone		Fibrosis	Mild
* Liver		Hepatocellular Adenoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Marked
	[ Hepatocellular Adenoma TGLS = 1-21 ]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Ovary		Angiectasis	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Thymus		Hyperplasia	Lymphoid, Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

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: 97006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Kidney		Infarct	
* Liver		Hepatocellular Adenoma	Multiple
		Histiocytic Sarcoma	
		Lymphoma Malignant	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[ Hepatocellular Adenoma TGLS = 1-21,4-6 ]		
	[ Lymphoma Malignant TGLS = 1-21,4-6 ]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Pancreas		Lymphoma Malignant	
* Skin	Subcut Tiss	Sarcoma	
	Note: LESION TABULATED AS "SARCOMA" HAS FEATURES OF MYXOSARCOMA; MORPHOLOGY NOT AVAILABLE ON TDMS.		
	[ Sarcoma TGLS = 2-22 ]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
* Thyroid Gland	Follicle	Cyst	Moderate
	Follicle	Degeneration	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

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: 97007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Eye	* Gallbladder	* 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			

INSUFFICIENT TISSUE

\* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex	Zona Reticul	Vacuolization Cytoplasmic	Moderate
* Brain		Compression	Moderate
[ Compression TGLS = 6-1 ]			
* Liver	Hepatocyte	Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 8-22,9-23 ]		Vacuolization Cytoplasmic	Mild
* Lung		Hemorrhage	Mild
Note: HISTIOCYTIC INFILTRATE IS PRIMARILY ON SLIDE 21.		Infiltration Cellular	Histiocyte, Minimal
[ Hemorrhage TGLS = 2-2 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Hyperplasia	Moderate
[ Hyperplasia TGLS = 1-8 ]			
* Pituitary Gland	Pars Distalis	Carcinoma	
[ Carcinoma TGLS = 7-1 ]			
* Thyroid Gland	Follicle	Cyst	Moderate
	Follicular Cel	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 4-7,5-7 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

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

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 13:16:15

**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:** 97007

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 513

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97009

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * 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, Mandibular |
| * Lymph Node, Mesenteric   | * Mammary Gland           | * Nose                      | * Ovary                  |
| * Pancreas                 | * Parathyroid Gland       | * Salivary Glands           | * Skin                   |
| * Stomach, Forestomach     | * Stomach, Glandular      | * Thyroid Gland             | * Trachea                |
| * Urinary Bladder          |                           |                             |                          |

OBSERVATIONS

- |   |               |                                  |                  |
|---|---------------|----------------------------------|------------------|
| * Liver   |               | Eosinophilic Focus               |                  |
|   |               | Hepatocellular Adenoma           | Multiple         |
|   |               | Hepatocellular Carcinoma         |                  |
|   | Hepatocyte    | Vacuolization Cytoplasmic        | Moderate         |
| Note: HEPATOCELLULAR ADENOMAS ARE ON SLIDES 6 AND 22. |               |                                  |                  |
| [ Hepatocellular Adenoma TGLS = 2-22 ]                |               |                                  |                  |
| [ Hepatocellular Carcinoma TGLS = 1-21 ]              |               |                                  |                  |
| * Lung  |               | Alveolar/Bronchiolar Adenoma     |                  |
| * Pituitary Gland                                     | Pars Distalis | Adenoma                          |                  |
| * Spleen  |               | Hematopoietic Cell Proliferation | Mild             |
| * Thymus  |               | Hyperplasia                      | Lymphoid, Mild   |
| * Uterus  | Endometrium   | Hyperplasia                      | Cystic, Moderate |
| [ Hyperplasia TGLS = 3-7 ]                            |               |                                  |                  |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

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: 97010

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone		Fibrosis	Mild
* Liver		Eosinophilic Focus	
	Hepatocyte	Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Moderate
Note: HEPATOCELLULAR ADENOMAS ARE PRESENT ON SLIDES 6, 21, 22, 23, AND 25. [ Eosinophilic Focus TGLS = 6-24 ] [ Hepatocellular Adenoma TGLS = 3-25,4-22,5-23 ]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen	Lymph Follic	Hyperplasia	Mild
* Urin Bladder			
Note: INFUSION ARTIFACT IN URINARY BLADDER.			
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7,2-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 515

TRT#: 8

SEX: Female

DAY ON TEST: 680

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 97011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Adrenal Cortex  
\* Clitoral Gland  
\* Intestine Large, Colon  
\* Lymph Node, Mesenteric  
\* Skin  
\* Trachea

\* Adrenal Medulla  
\* Esophagus  
\* Intestine Large, Rectum  
\* Nose  
\* Stomach, Forestomach  
\* Urinary Bladder

\* Bone  
\* Heart  
\* Islets, Pancreatic  
\* Pancreas  
\* Stomach, Glandular

\* Brain  
\* Intestine Large, Cecum  
\* Kidney  
\* Pituitary Gland  
\* Thymus

MISSING

\* Eye  
\* Salivary Glands

\* Harderian Gland

\* Lymph Node, Mandibular

\* Parathyroid Gland

AUTO PRECLUDES DIAG.

\* Gallbladder

\* Intestine Small, Duodenum

\* Intestine Small, Ileum

\* Intestine Small, Jejunum

OBSERVATIONS

\* Bone Marrow  
\* Liver

Hyperplasia  
Hepatocellular Adenoma  
Necrosis

Mild  
Multiple  
Focal, Minimal

[ Hepatocellular Adenoma TGLS = 4-21, 3-6 ]

\* Lung

Choriocarcinoma  
Infiltration Cellular

Metastatic (Ovary)  
Histiocyte, Moderate

[ Choriocarcinoma TGLS = 7-2 ]

\* Mammary Gland  
\* Ovary

Hyperplasia  
Choriocarcinoma

Minimal

[ Choriocarcinoma TGLS = 2-22 ]

\* Spleen  
\* Thyroid Gland  
\* Uterus

Follicle  
Endometrium

Hematopoietic Cell Proliferation  
Degeneration  
Hyperplasia

Moderate  
Focal, Minimal  
Cystic, Marked

[ Hyperplasia TGLS = 1-7 ]

PRIMARY CAUSE OF DEATH

- Ovary Choriocarcinoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

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: 97012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Liver		Hepatocellular Adenoma	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[ Hepatocellular Adenoma TGLS = 1-21 ]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hyperplasia TGLS = 2-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 517

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 1000 MG/L

DISP: Natural Death

HISTO: 97013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Eye	* Harderian Gland	* Lymph Node, Mandibular	* Ovary
* Pituitary Gland			

AUTO PRECLUDES DIAG.

\* Intestine Small, Jejunum

INSUFFICIENT TISSUE

\* Gallbladder

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[ Hepatocellular Adenoma TGLS = 3-6 ]		
	[ Hepatocellular Carcinoma TGLS = 2-21 ]		
* Saliv Glands			
	Note: SALIVARY GLAND IS PRESENT (SLIDE 8).		
* Spleen	Lymph Follic	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[ Hyperplasia TGLS = 1-7 ]		

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 518

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 97014

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Intestine Large, Cecum		Edema	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Necrosis	Focal, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Note: HEPATOCELLULAR ADENOMAS ARE PRESENT ON SLIDES 6 AND 21.			
[ Hepatocellular Adenoma TGLS = 2-21 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

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: 97015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea		

OBSERVATIONS

* Kidney		Inflammation	Chronic, Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 1-21,2-6,UPL ]	Vacuolization Cytoplasmic	Marked
	[ Hepatocellular Carcinoma TGLS = 1-21 ]		
* Lung		Hemorrhage	Mild
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
	[ Hematopoietic Cell Proliferation TGLS = 4-6 ]		
* Thyroid Gland	Follicle	Cyst	Moderate
	Follicular Cel	Hyperplasia	Minimal
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[ Hyperplasia TGLS = 3-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 520

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 97016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Clitoral Gland
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone		Fibrosis	Mild
* Bone Marrow		Hyperplasia	Mild
* Eye		Atrophy	Marked
[ Atrophy TGLS = 7-24 ]			
* Harderian Gland		Adenoma	
[ Adenoma TGLS = 8-23 ]			
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[ Hepatocellular Adenoma TGLS = 2-6,3-22,9-6,10-25,11-26 ]			
[ Hepatocellular Carcinoma TGLS = 1-21,3-22,2-6 ]			
* Lung		Hemorrhage	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
[ Hyperplasia TGLS = 5-5 ]			
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Mild
[ Hematopoietic Cell Proliferation TGLS = 4-6 ]			
[ Hyperplasia TGLS = 4-6 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96019-06  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 13:16:15  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 520

**TRT#:** 8  
**DOSE:** 1000 MG/L

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 736  
**HISTO:** 97016

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
[ Hyperplasia TGLS = 6-7 ]			

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 521

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 97017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Harderian Gland		Hyperplasia	Focal, Mild
* Intestine Small, Jejunum	Peyers Patch	Inflammation	Suppurative, Moderate
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hepatocellular Carcinoma	
		Vacuolization Cytoplasmic	Moderate
	[ Hepatocellular Adenoma TGLS = 3-6 ]		
	[ Hepatocellular Carcinoma TGLS = 3-6 ]		
* Lymph Node, Mandibular		Pigmentation	Moderate
* Ovary		Cyst	Moderate
	Corpus Luteum	Hyperplasia	Moderate
	[ Cyst TGLS = 1-7 ]		
* Salivary Glands		Hyperplasia	Lymphoid, Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
* Thymus		Hyperplasia	Lymphoid, Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hyperplasia TGLS = 2-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 522

TRT#: 8

DOSE: 1000 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 97018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* 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	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Marked
[ Eosinophilic Focus TGLS = UPLB ]			
[ Hepatocellular Adenoma TGLS = 1-6 ]			
[ Mixed Cell Focus TGLS = UPLA ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Ovary		Cyst	Moderate
[ Cyst TGLS = 2-7 ]			
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen	Lymph Follic	Hyperplasia	Moderate
		Pigmentation	Moderate
* Uterus		Hemangioma	
[ Hemangioma TGLS = 3-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 523

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
		Lymphoma Malignant	
* Liver	Hepatocyte	Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Moderate
	[ Hepatocellular Adenoma TGLS = 3-6 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mandibular		Pigmentation	Moderate
* Spleen		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 2-6 ]		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	
	[ Hyperplasia TGLS = 1-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 524

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

\* Harderian Gland

OBSERVATIONS

* Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Vacuolization Cytoplasmic	Moderate
	Hepatocyte		
[ Hepatocellular Carcinoma TGLS = 1-21 ]			
* Parathyroid Gland		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Lymphoma Malignant	
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 2-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96019-06

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/16/2014

Time Report Requested: 13:16:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 525

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Liver		Eosinophilic Focus	
	Hepatocyte	Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = 2-6,UPL ]	Vacuolization Cytoplasmic	Moderate
* Ovary	Corpus Luteum	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen	Lymph Follic	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Urin Bladder			
	Note: INFUSION ARTIFACT IN URINARY BLADDER.		
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hyperplasia TGLS = 1-7 ]		

PRIMARY CAUSE OF DEATH

-

\*\* END OF REPORT \*\*

\* PROTOCOL REQUIRED TISSUE