

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:33
First Dose M/F: NA / NA
Lab: BAT

C Number:	C97013H
Lock Date:	07/30/2001
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
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Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:33
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1001

TRT#: 1

SEX: Male

DAY ON TEST: 295

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 2006601

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Epididymis	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland	* Spleen
* Testes	* Thyroid Gland		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Skin	Epidermis	Hyperplasia	Focal, Mild
		Squamous Cell Papilloma	Multiple
[Hyperplasia TGLS = 1-7]			
[Squamous Cell Papilloma TGLS = 1,2-6+7]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Cyst	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
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Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:33
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1002

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 2006602

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	Skin	* Testes
* Thyroid Gland			

OBSERVATIONS

* Adrenal Cortex		Leukemia Erythrocytic	
* Adrenal Medulla		Leukemia Erythrocytic	
* Epididymis		Leukemia Erythrocytic	
* Kidney	Glomerulus	Inflammation	Membranoprolif, Marked
		Leukemia Erythrocytic	
		Nephropathy	Minimal
* Liver		Leukemia Erythrocytic	
[Leukemia Erythrocytic TGLS = 2-3+4]			
* Lung		Leukemia Erythrocytic	
* Lymph Node, Mandibular		Leukemia Erythrocytic	
[Leukemia Erythrocytic TGLS = 3-4]			
* Pituitary Gland		Leukemia Erythrocytic	
* Spleen		Leukemia Erythrocytic	
[Leukemia Erythrocytic TGLS = 1-1]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Liver Leukemia Erythrocytic
 CONTRIBUTORY CAUSE OF DEATH - Spleen Leukemia Erythrocytic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:33
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1003	TRT#: 1	SEX: Male	DAY ON TEST: 224
	DOSE: 0 MG/L	DISP: Natural Death	HISTO: 2006603

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Epididymis	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Pituitary Gland	Skin	* Spleen
* Testes			

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mesenteric
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OBSERVATIONS

* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Thrombosis	Moderate
Note: A foreign body is present in the center of the pulmonary thrombus.			
* Lym Node Mand			
Note: TGL#2-4-NCL: Tissue missing.			
* Stomach, Forestomach	Epithelium	Hyperkeratosis	Mild
	Epithelium	Hyperplasia	Mild
		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 3-7]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Depletion Secretory	Minimal
Tooth		Odontogenic Tumor	
[Odontogenic Tumor TGLS = 1-6]			

PRIMARY CAUSE OF DEATH - Tooth Odontogenic Tumor

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:33
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1004

TRT#: 1

SEX: Male

DAY ON TEST: 295

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 2006604

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Epididymis	* Intestine Large, Cecum	* Intestine Large, Colon
Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mesenteric	* Pituitary Gland	* Spleen
* Stomach, Forestomach	* Testes		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
Int Lg Rectum			
Note: TGL#1-7: Histologically, the nodules documented at necropsy involved the perineal skin and not the anus. Therefore they were coded under skin and not rectum.			
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
Penis			
Note: TGL#2-7: Lesion coded under skin. Sq. Cell Papilloma not on the current TDMS lexicon for penis.			
Skin		Inflammation	Chronic Active, Moderate
		Squamous Cell Papilloma	Multiple
[Squamous Cell Papilloma TGLS = 1,2,3,4,5-7+8]			
* Thymus		Atrophy	Mild
[Atrophy TGLS = 7-5]			
* Thyroid Gland	Follicle	Depletion Secretory	Minimal
Tooth		Odontogenic Tumor	
[Odontogenic Tumor TGLS = 6-6]			

PRIMARY CAUSE OF DEATH

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Animal Note: Coded all Sq. Cell Papillomas under skin because these are not in the current lexicon for many of the organs/sites where they were documented at necropsy.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:33
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1005	TRT#: 1 DOSE: 0 MG/L	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 295 HISTO: 2006605
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Epididymis	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland	* Spleen
* Testes	* Thyroid Gland		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Fatty Change	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Skin	Epidermis	Hyperplasia	Focal, Minimal
[Hyperplasia TGLS = 1-6]			
* Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-3]			
* Thymus		Cyst	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:33
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1006

TRT#: 1

SEX: Male

DAY ON TEST: 295

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 2006606

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Epididymis	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland
* Spleen	* Testes	* Thymus	* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
Eye			
Note: TGL#3-8: Eye nodule, documented at necrosy, involved the eyelid. Eyelid is not currently in the TDMS lexicon as a site under eye. Lesion was coded under skin.			
Int Lg Rectum			
Note: TGL#2-7: Histologically, the nodule documented at necropsy involved the perineal skin and not the anus. Therefore, it was coded under skin and not rectum.			
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
	Hepatocyte	Necrosis	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	Perivascular	Infiltration Cellular	Lymphocyte, Mild
[Alveolar/Bronchiolar Adenoma TGLS = 5-1]			
Skin	Epidermis	Hyperplasia	Focal, Moderate
		Squamous Cell Papilloma	Multiple
[Hyperplasia TGLS = 4-9]			
[Squamous Cell Papilloma TGLS = 1,2,3-6+7+8]			
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple
[Squamous Cell Papilloma TGLS = 6-3]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:33
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1007

TRT#: 1

SEX: Male

DAY ON TEST: 185

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 2006607

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pituitary Gland	* Stomach, Forestomach	* Testes
* Thyroid Gland			

OBSERVATIONS

* Epididymis		Leukemia Erythrocytic	
* Kidney	Glomerulus	Inflammation	Membranoprolif, Moderate
		Leukemia Erythrocytic	
* Liver		Leukemia Erythrocytic	
	[Leukemia Erythrocytic TGLS = 1-3+4]		
* Lung		Leukemia Erythrocytic	
* Spleen		Leukemia Erythrocytic	
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Leukemia Erythrocytic
CONTRIBUTORY CAUSE OF DEATH - Spleen Leukemia Erythrocytic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:33
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1008	TRT#: 1 DOSE: 0 MG/L	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 239 HISTO: 2006608
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pituitary Gland	Skin	* Spleen	* Thyroid Gland

OBSERVATIONS

* Epididymis		Cyst	
		Degeneration	Marked
		Inflammation	Chronic Active, Mild
Note: The tubules of one of the epididymides was devoid of viable spermatozoa.			
* Stomach, Forestomach	Epithelium	Hyperkeratosis	Mild
	Epithelium	Hyperplasia	Mild
* Testes	Germinal Epith	Degeneration	Marked
* Thymus		Atrophy	Marked
Tooth		Odontogenic Tumor	
[Odontogenic Tumor TGLS = 1-6]			

PRIMARY CAUSE OF DEATH - Tooth Odontogenic Tumor

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:33
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1009	TRT#: 1 DOSE: 0 MG/L	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 295 HISTO: 2006609
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Epididymis	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mesenteric	* Pituitary Gland	* Spleen
* Stomach, Forestomach	* Testes	* Thymus	* Thyroid Gland

OBSERVATIONS

* Kidney	Cortex	Cyst	Mild
		Nephropathy	Minimal
* Liver	Hepatocyte	Fatty Change	Mild
		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
Skin		Squamous Cell Papilloma	Multiple

[Squamous Cell Papilloma TGLS = 1,2-6+7]

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:33
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1010

TRT#: 1

SEX: Male

DAY ON TEST: 295

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 2006610

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Epididymis	* 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	* Spleen
* Testes			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
Int Lg Rectum			
Note: TGL#3-8: Histologically, the nodule documented at necropsy involved the perineal skin and not the anus. Therefore, it was coded under skin and not rectum.			
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
Skin		Squamous Cell Papilloma	Multiple
[Squamous Cell Papilloma TGLS = 1,2,3-6+7+8]			
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple
[Squamous Cell Papilloma TGLS = 4-8]			
* Thymus		Cyst	Minimal
* Thyroid Gland	Follicle	Depletion Secretory	Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:33
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1011	TRT#: 3	SEX: Male	DAY ON TEST: 295
	DOSE: 80 MG/L	DISP: Terminal Sacrifice	HISTO: 2006611

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Epididymis	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland	* Spleen
* Testes	* Thymus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Preputial Gland	Duct	Atrophy	Moderate
		Ectasia	Moderate
[Ectasia TGLS = 3-8]			
Skin		Squamous Cell Papilloma	Multiple
[Squamous Cell Papilloma TGLS = 1,2-6+7]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Mild
		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 4-3]			
* Thyroid Gland	Follicle	Depletion Secretory	Minimal
	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:33
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1012

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 80 MG/L

DISP: Moribund Sacrifice

HISTO: 2006612

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Epididymis	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pituitary Gland	Skin	* Testes	* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex		Lymphoma Malignant	
* Adrenal Medulla		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
		Nephropathy	Mild
* Liver		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 2-3+4]			
* Lung		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 1-1]			
* Stomach, Forestomach	Epithelium	Hyperkeratosis	Mild
	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

CONTRIBUTORY CAUSE OF DEATH - Liver Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:33
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1013	TRT#: 3	SEX: Male	DAY ON TEST: 295
	DOSE: 80 MG/L	DISP: Terminal Sacrifice	HISTO: 2006613

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Epididymis	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland	* Spleen
* Stomach, Forestomach	* Testes	* Thymus	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Skin	Epidermis	Hyperplasia	Focal, Moderate
		Squamous Cell Papilloma	Multiple
[Hyperplasia TGLS = 3-7]			
[Squamous Cell Papilloma TGLS = 1,2,3-6+7]			
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:33
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1014

TRT#: 3

SEX: Male

DAY ON TEST: 295

DOSE: 80 MG/L

DISP: Terminal Sacrifice

HISTO: 2006614

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Epididymis	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland	* Spleen
* Testes	* Thymus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lym Node Mand			
Note: TGL#5-4: Enlarged left mandibular LN, documented at necropsy, is a salivary gland carcinoma histologically. Coded under salivary gland.			
Salivary Glands		Carcinoma	
[Carcinoma TGLS = 5-4]			
Skin	Epidermis	Hyperplasia	Focal, Moderate
		Squamous Cell Papilloma	Multiple
[Hyperplasia TGLS = 1-7]			
[Squamous Cell Papilloma TGLS = 2,3-8]			
* Stomach, Forestomach		Squamous Cell Papilloma	
* Thyroid Gland	Follicle	Depletion Secretory	Minimal
	Follicular Cel	Hypertrophy	Minimal
Tooth		Odontogenic Tumor	
[Odontogenic Tumor TGLS = 4-6]			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:33
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1015	TRT#: 3 DOSE: 80 MG/L	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 295 HISTO: 2006615
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pituitary Gland	* Spleen	* Stomach, Forestomach
* Thymus			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Epididymis		Degeneration	Marked
Note: The tubules of one of the epididymides were devoid of viable spermatozoa.			
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Skin		Squamous Cell Papilloma	Multiple
[Squamous Cell Papilloma TGLS = 1,2-6+7]			
* Testes	Germinal Epith	Degeneration	Mild
		Mineralization	Minimal
* Thyroid Gland	Follicle	Cyst	Mild
	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:33
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1016	TRT#: 3 DOSE: 80 MG/L	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 295 HISTO: 2006616
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Epididymis	* 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	* Pituitary Gland
* Spleen	* Testes	* Thymus	* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
Int Lg Rectum			
Note: TGL#1-7: Histologically, the nodule documented at necropsy involved the perineal skin & not the anus. Therefore, it was coded under skin & not rectum.			
* Liver		Inflammation	Chronic Active, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
		Inflammation	Chronic Active, Minimal
	[Alveolar/Bronchiolar Adenoma TGLS = 4-1]		
Preputial Gland	Duct	Ectasia	Mild
	[Ectasia TGLS = 3-7]		
Skin		Squamous Cell Papilloma	Multiple
	[Squamous Cell Papilloma TGLS = 1,2-7+8]		
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple
	[Squamous Cell Papilloma TGLS = 5-6]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:33
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1017

TRT#: 3

SEX: Male

DAY ON TEST: 89

DOSE: 80 MG/L

DISP: Natural Death

HISTO: 2006617

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Epididymis	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pituitary Gland	* Spleen	* Stomach, Forestomach
* Testes	* Thymus		

OBSERVATIONS

* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
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PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:33
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1018

TRT#: 3

SEX: Male

DAY ON TEST: 192

DOSE: 80 MG/L

DISP: Moribund Sacrifice

HISTO: 2006618

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Epididymis	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland
* Testes	* Thymus		

OBSERVATIONS

* Liver		Inflammation	Chronic Active, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
Skin	Hair Follicle, Sebaceous GI	Atrophy	Minimal
	Epidermis	Hyperplasia	Focal, Mild
		Inflammation	Chronic Active, Minimal
		Squamous Cell Papilloma	
[Atrophy TGLS = 1-7]			
[Squamous Cell Papilloma TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperkeratosis	Mild
	Epithelium	Hyperplasia	Mild
		Squamous Cell Papilloma	
* Thyroid Gland	Follicle	Depletion Secretory	Minimal
Tooth		Odontogenic Tumor	
[Odontogenic Tumor TGLS = 3-6]			

PRIMARY CAUSE OF DEATH - Tooth Odontogenic Tumor

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:33
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1019	TRT#: 3 DOSE: 80 MG/L	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 295 HISTO: 2006619
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Epididymis	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	Penis
* Pituitary Gland	* Spleen	* Stomach, Forestomach	* Testes
* Thymus			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Kidney		Nephropathy	Minimal
Penis			
Note: TGL#1-6: Lesion coded under skin. Sq. Cell Papilloma not on the current TDMS lexicon for penis.			
Skin		Squamous Cell Papilloma	Multiple
[Squamous Cell Papilloma TGLS = 1,2-6+7]			
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:33
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1020	TRT#: 3	SEX: Male	DAY ON TEST: 295
	DOSE: 80 MG/L	DISP: Terminal Sacrifice	HISTO: 2006620

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Epididymis	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland	* Spleen
* Stomach, Forestomach	* Testes		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
Skin	Epidermis	Hyperplasia	Focal, Mild
		Squamous Cell Papilloma	
[Hyperplasia TGLS = 1-6]			
[Squamous Cell Papilloma TGLS = 1-6]			
* Thymus		Cyst	Minimal
* Thyroid Gland	Follicle	Depletion Secretory	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:33
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1021

TRT#: 5

SEX: Male

DAY ON TEST: 246

DOSE: 400 MG/L

DISP: Moribund Sacrifice

HISTO: 2006621

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Epididymis	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	Penis	* Pituitary Gland
* Testes			

OBSERVATIONS

Eye			
Note: TGL#1-8-NCL: Eye considered to be within normal limits histologically.			
* Kidney		Inflammation	Mild
Note: Kidney inflammation is mostly plasmacytic, interstitial.			
* Liver		Hematopoietic Cell Proliferation	Mild
		Inflammation	Chronic Active, Mild
Note: Hematopoietic Cell Proliferation is mostly Granulopoietic.			
* Lung		Inflammation	Chronic Active, Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
Penis			
Note: TGL#3-7: Lesion coded under skin. Sq. Cell Papilloma not on the current TDMS lexicon for penis.			
Preputial Gland		Atrophy	Mild
[Atrophy TGLS = 4-8]			
Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 3-7]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 5-1]			
* Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 6-3]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Depletion Secretory	Mild
	Follicular Cel	Hypertrophy	Mild
Tooth		Odontogenic Tumor	
[Odontogenic Tumor TGLS = 2-6]			

PRIMARY CAUSE OF DEATH - Tooth Odontogenic Tumor

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:33
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1022

TRT#: 5

SEX: Male

DAY ON TEST: 295

DOSE: 400 MG/L

DISP: Terminal Sacrifice

HISTO: 2006622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Epididymis	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland
* Spleen	* Testes	* Thymus	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Skin	Epidermis	Hyperplasia	Focal, Moderate
		Squamous Cell Papilloma	Multiple
Note: TGL#3-8-NCL: Unable to demonstrate histologically. [Hyperplasia TGLS = 2-7] [Squamous Cell Papilloma TGLS = 1,2-6+7]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:33
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1023

TRT#: 5

SEX: Male

DAY ON TEST: 144

DOSE: 400 MG/L

DISP: Moribund Sacrifice

HISTO: 2006623

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Epididymis	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Pituitary Gland	Skin	* Stomach, Forestomach	* Testes
* Thyroid Gland			

OBSERVATIONS

* Kidney		Leukemia Erythrocytic Nephropathy	Mild
[Leukemia Erythrocytic TGLS = 3-3+4]			
* Liver		Leukemia Erythrocytic	
[Leukemia Erythrocytic TGLS = 1-3+4]			
* Lung		Leukemia Erythrocytic	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Marked
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Marked
* Spleen		Leukemia Erythrocytic	
[Leukemia Erythrocytic TGLS = 2-1]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Liver Leukemia Erythrocytic

CONTRIBUTORY CAUSE OF DEATH

- Lung Leukemia Erythrocytic;Spleen Leukemia Erythrocytic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:33
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1024

TRT#: 5

SEX: Male

DAY ON TEST: 277

DOSE: 400 MG/L

DISP: Moribund Sacrifice

HISTO: 2006624

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Epididymis	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Pituitary Gland	Skin	* Stomach, Forestomach

MISSING

* Thymus

OBSERVATIONS

* Kidney		Leukemia Erythrocytic	
* Liver		Leukemia Erythrocytic	
[Leukemia Erythrocytic TGLS = 2-3+4]			
* Lung		Leukemia Erythrocytic	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Marked
[Hyperplasia TGLS = 4-4]			
* Spleen		Leukemia Erythrocytic	
[Leukemia Erythrocytic TGLS = 3-1]			
* Testes	Germinal Epith	Degeneration	Mild
* Thyroid Gland	Follicle	Depletion Secretory	Minimal
	Follicular Cel	Hypertrophy	Mild
Tooth		Odontogenic Tumor	
[Odontogenic Tumor TGLS = 1-6]			

PRIMARY CAUSE OF DEATH

- Liver Leukemia Erythrocytic

CONTRIBUTORY CAUSE OF DEATH

- Lung Leukemia Erythrocytic;Spleen Leukemia Erythrocytic;Tooth Odontogenic Tumor

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:33
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1025	TRT#: 5	SEX: Male	DAY ON TEST: 295
	DOSE: 400 MG/L	DISP: Terminal Sacrifice	HISTO: 2006625

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Epididymis	* 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	* Pituitary Gland
* Spleen	* Stomach, Forestomach	* Thymus	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
Int Lg Rectum			
Note: TGL#2-7: Histologically, the nodules documented at necropsy involved the perineal skin & not the anus. Therefore, they were coded under skin & not rectum.			
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Skin	Epidermis	Hyperplasia	Focal, Mild
		Squamous Cell Papilloma	Multiple
[Squamous Cell Papilloma TGLS = 1,2-6+7]			
* Testes	Bilateral, Germinal Epith	Degeneration	Mild
* Thyroid Gland	Follicle	Depletion Secretory	Mild
	Follicular Cel	Hypertrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1026

TRT#: 5

SEX: Male

DAY ON TEST: 295

DOSE: 400 MG/L

DISP: Terminal Sacrifice

HISTO: 2006626

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Epididymis	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland	* Spleen
* Stomach, Forestomach	* Thymus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Skin		Squamous Cell Papilloma	Multiple
[Squamous Cell Papilloma TGLS = 1,2-7]			
* Testes	Germinal Epith	Degeneration	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth		Odontogenic Tumor	
[Odontogenic Tumor TGLS = 3-6]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1027

TRT#: 5

SEX: Male

DAY ON TEST: 295

DOSE: 400 MG/L

DISP: Terminal Sacrifice

HISTO: 2006627

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pituitary Gland	* Spleen	* Stomach, Forestomach
* Thymus			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Epididymis		Granuloma Sperm	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Skin		Squamous Cell Papilloma	Multiple
Note: TGL#3-8: Only able to demonstrate one nodule histologically. [Squamous Cell Papilloma TGLS = 1,2,3-6+7+8]			
* Testes	Bilateral, Germinal Epith	Degeneration	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1028

TRT#: 5

SEX: Male

DAY ON TEST: 188

DOSE: 400 MG/L

DISP: Moribund Sacrifice

HISTO: 2006628

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Epididymis	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mesenteric	* Pituitary Gland	* Thyroid Gland

OBSERVATIONS

* Adren Cortex			
Note: Only one adrenal gland available for histologic examination.			
* Kidney	Renal Tubule	Degeneration Nephropathy	Moderate Mild
[Nephropathy TGLS = 5-3+4]			
* Liver		Inflammation	Chronic Active, Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 4-1]			
* Stomach, Forestomach	Epithelium	Hyperkeratosis	Mild
	Epithelium	Hyperplasia	Mild
* Testes	Bilateral, Germinal Epith	Degeneration	Mild
* Thymus		Atrophy	Moderate
Tooth		Odontogenic Tumor	Multiple
[Odontogenic Tumor TGLS = 1,2-6+6l]			

PRIMARY CAUSE OF DEATH - Tooth Odontogenic Tumor
CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy; Liver Inflammation

Animal Note: TGL 3 = NCL (No Corresponding Lesion)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1029	TRT#: 5 DOSE: 400 MG/L	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 295 HISTO: 2006629
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	* Epididymis	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pituitary Gland	Skin	* Spleen
* Testes	* Thymus		

OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Fatty Change	Minimal
		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
Preputial Gland	Duct	Ectasia	Mild
[Ectasia TGLS = 1-6]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1030

TRT#: 5

SEX: Male

DAY ON TEST: 295

DOSE: 400 MG/L

DISP: Terminal Sacrifice

HISTO: 2006630

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Epididymis	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland	* Spleen
* Stomach, Forestomach	* Testes	* Thymus	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney	Renal Tubule	Hypertrophy	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Preputial Gland	Duct	Ectasia	Mild
[Ectasia TGLS = 4-8]			
Skin	Epidermis	Hyperplasia	Focal, Mild
		Squamous Cell Papilloma	Multiple
[Hyperplasia TGLS = 3-8]			
[Squamous Cell Papilloma TGLS = 1,2,3-6+7+8]			
* Thyroid Gland	Follicle	Depletion Secretory	Minimal
	Follicular Cel	Hypertrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1031	TRT#: 7	SEX: Male	DAY ON TEST: 263
	DOSE: 800 MG/L	DISP: Moribund Sacrifice	HISTO: 2006631

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	Nose
Penis			

OBSERVATIONS

* Epididymis		Degeneration	Marked
Note: Epididymal tubules are devoid of viable spermatozoa.			
* Kidney	Renal Tubule	Degeneration	Moderate
		Hydronephrosis	Mild
	Renal Tubule	Hypertrophy	Minimal
		Nephropathy	Mild
Nose			
Note: TGL#1-6-NCL: Unable to demonstrate histologically.			
Penis			
Note: TGL#2-7: Lesion coded under skin. Sq. Cell Papilloma not in the current TDMS lexicon for penis.			
* Pituitary Gland	Pars Distalis	Hypertrophy	Minimal
Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-7]			
* Spleen		Atrophy	Moderate
* Stomach, Forestomach	Epithelium	Hyperkeratosis	Mild
	Epithelium	Hyperplasia	Mild
* Testes	Bilateral, Germinal Epith	Degeneration	Marked
	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicle	Depletion Secretory	Marked
	Follicular Cel	Hypertrophy	Marked
		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1032

TRT#: 7

SEX: Male

DAY ON TEST: 295

DOSE: 800 MG/L

DISP: Terminal Sacrifice

HISTO: 2006632

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node, Mesenteric	* Pituitary Gland	* Spleen
* Thymus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Epididymis		Degeneration	Marked
Note: The epididymal tubules contain reduced numbers of viable spermatozoa & increased numbers of sloughed germinal epithelial cells.			
* Kidney	Renal Tubule	Degeneration	Moderate
	Renal Tubule	Hypertrophy	Minimal
		Nephropathy	Mild
Skin	Epidermis	Hyperplasia	Focal, Mild
	[Hyperplasia TGLS = 1-6]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Bilateral, Germinal Epith	Degeneration	Moderate
	[Degeneration TGLS = 2-5]		
* Thyroid Gland	Follicle	Depletion Secretory	Marked
	Follicular Cel	Hypertrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1033

TRT#: 7

SEX: Male

DAY ON TEST: 284

DOSE: 800 MG/L

DISP: Natural Death

HISTO: 2006633

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric
* Spleen	* Stomach, Forestomach		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Epididymis		Degeneration	Marked
Note: Epididymal tubules are devoid of viable spermatozoa. [Degeneration TGLS = 4-5]			
* Kidney	Cortex Renal Tubule	Cyst Degeneration Hydronephrosis Mineralization Nephropathy	Moderate Moderate Mild Mild Mild
Note: Mineralization in cortical basement membranes. [Hydronephrosis TGLS = 5-3+4]			
* Liver		Hematopoietic Cell Proliferation	Minimal
* Lung	Alveolar Epith	Hyperplasia	Marked
[Hyperplasia TGLS = 6-1]			
* Pituitary Gland	Pars Distalis	Hypertrophy	Mild
Skin		Squamous Cell Papilloma	Multiple
[Squamous Cell Papilloma TGLS = 1,2-6+7]			
* Testes	Bilateral, Germinal Epith Interstit Cell	Degeneration Hyperplasia	Marked Minimal
[Degeneration TGLS = 3-5]			
* Thymus		Atrophy Cyst	Moderate Mild
* Thyroid Gland	Follicle Follicular Cel	Depletion Secretory Hypertrophy Infiltration Cellular	Marked Marked Lymphocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1033

TRT#: 7

SEX: Male

DAY ON TEST: 284

DOSE: 800 MG/L

DISP: Natural Death

HISTO: 2006633

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Kidney Hydronephrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1034

TRT#: 7

SEX: Male

DAY ON TEST: 218

DOSE: 800 MG/L

DISP: Natural Death

HISTO: 2006634

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Intestine Large, Colon
* Lung
* Thyroid Gland

* Adrenal Medulla
* Intestine Small, Duodenum
* Pituitary Gland

* Epididymis
* Intestine Small, Ileum
* Spleen

* Intestine Large, Cecum
* Intestine Small, Jejunum
* Testes

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Kidney
* Liver
* Lymph Node, Mandibular
Skin

[Squamous Cell Papilloma TGLS = 1-7]

* Stomach, Forestomach

Epithelium
Epithelium

Nephropathy
Inflammation
Hyperplasia
Squamous Cell Papilloma

Minimal
Chronic Active, Minimal
Lymphoid, Moderate

* Thymus
Tooth

[Odontogenic Tumor TGLS = 2-6]

Hyperkeratosis
Hyperplasia
Squamous Cell Papilloma
Atrophy
Odontogenic Tumor

Mild
Mild
Marked

PRIMARY CAUSE OF DEATH

- Tooth Odontogenic Tumor

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1035

TRT#: 7

SEX: Male

DAY ON TEST: 127

DOSE: 800 MG/L

DISP: Natural Death

HISTO: 2006635

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Epididymis	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Pituitary Gland
* Stomach, Forestomach	* Testes		

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Erythrocytic	
* Adrenal Medulla		Leukemia Erythrocytic	
* Kidney	Glomerulus	Inflammation	Membranoprolif, Mild
		Leukemia Erythrocytic	
		Nephropathy	Mild
* Liver		Leukemia Erythrocytic	
	[Leukemia Erythrocytic TGLS = 2-3+4]		
* Lung		Leukemia Erythrocytic	
* Spleen		Leukemia Erythrocytic	
	[Leukemia Erythrocytic TGLS = 1-1]		
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Liver Leukemia Erythrocytic

CONTRIBUTORY CAUSE OF DEATH

- Kidney Leukemia Erythrocytic; Lung Leukemia Erythrocytic; Spleen Leukemia Erythrocytic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1036

TRT#: 7

SEX: Male

DAY ON TEST: 246

DOSE: 800 MG/L

DISP: Moribund Sacrifice

HISTO: 2006636

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Erythrocytic	
* Adrenal Medulla		Leukemia Erythrocytic	
* Epididymis		Degeneration	Mild
Note: Epididymal tubules contain a decreased number of viable spermatozoa and an increased number of sloughed germinal epithelial cells.			
* Kidney	Renal Tubule	Degeneration	Moderate
	Glomerulus	Inflammation	Membranoprolif, Mild
		Leukemia Erythrocytic	
		Nephropathy	Minimal
* Liver		Leukemia Erythrocytic	
	[Leukemia Erythrocytic TGLS = 5-3+4]		
* Lung		Leukemia Erythrocytic	
Lymph Node	Lumbar	Leukemia Erythrocytic	
	Renal	Leukemia Erythrocytic	
	[Leukemia Erythrocytic TGLS = 7-8]		
	[Leukemia Erythrocytic TGLS = 6-7]		
* Lymph Node, Mandibular		Leukemia Erythrocytic	
	[Leukemia Erythrocytic TGLS = 3-4]		
* Pituitary Gland		Leukemia Erythrocytic	
Skin		Squamous Cell Papilloma	Multiple
Note: TGL#1-6-NCL: Unable to demonstrate histologically.			
	[Squamous Cell Papilloma TGLS = 2-7]		
* Spleen		Leukemia Erythrocytic	
	[Leukemia Erythrocytic TGLS = 4-1]		
* Testes	Bilateral, Germinal Epith	Degeneration	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild

PRIMARY CAUSE OF DEATH - Liver Leukemia Erythrocytic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1036

TRT#: 7

SEX: Male

DAY ON TEST: 246

DOSE: 800 MG/L

DISP: Moribund Sacrifice

HISTO: 2006636

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Lung Leukemia Erythrocytic;Spleen Leukemia Erythrocytic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1037

TRT#: 7

SEX: Male

DAY ON TEST: 277

DOSE: 800 MG/L

DISP: Moribund Sacrifice

HISTO: 2006637

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland	* Spleen
* Stomach, Forestomach			

OBSERVATIONS

* Epididymis		Degeneration	Moderate
Note: The epididymal tubules contained a reduced number of viable spermatozoa & an increase in the number of sloughed germinal epithelial cells.			
* Kidney	Renal Tubule	Degeneration	Moderate
	Renal Tubule	Hypertrophy	Minimal
		Nephropathy	Mild
* Liver		Inflammation	Chronic Active, Minimal
Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 1-7]			
* Testes	Bilateral, Germinal Epith	Degeneration	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicle	Depletion Secretory	Marked
	Follicular Cel	Hypertrophy	Marked
		Infiltration Cellular	Lymphocyte, Minimal
Tooth		Odontogenic Tumor	
[Odontogenic Tumor TGLS = 2-6]			

PRIMARY CAUSE OF DEATH

- Tooth Odontogenic Tumor

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1038

TRT#: 7

SEX: Male

DAY ON TEST: 295

DOSE: 800 MG/L

DISP: Terminal Sacrifice

HISTO: 2006638

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland	* Spleen
* Stomach, Forestomach	* Thymus		

OBSERVATIONS

* Epididymis		Degeneration	Mild
Note: The epididymal tubules contained increased numbers of sloughed germinal epithelial cells admixed with the spermatozoa.			
* Kidney	Renal Tubule	Degeneration	Moderate
	Renal Tubule	Hypertrophy	Mild
		Nephropathy	Mild
* Liver		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Skin		Squamous Cell Papilloma	Multiple
[Squamous Cell Papilloma TGLS = 2,3,4-6+7]			
* Testes	Bilateral, Germinal Epith	Degeneration	Mild
* Thymus			
Note: TGL#1-5-NCL: Thymus considered to be within normal limits histologically.			
* Thyroid Gland	Follicle	Depletion Secretory	Moderate
	Follicular Cel	Hypertrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1039

TRT#: 7

SEX: Male

DAY ON TEST: 295

DOSE: 800 MG/L

DISP: Terminal Sacrifice

HISTO: 2006639

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	Pancreas	* Pituitary Gland	* Spleen
* Thymus			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Epididymis		Degeneration	Marked
Note: The epididymal tubules are devoid of viable spermatozoa.			
* Kidney	Renal Tubule	Degeneration	Moderate
	Renal Tubule	Hypertrophy	Minimal
		Nephropathy	Mild
* Liver		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Pancreas			
Note: TGL#3-6-NCL: Pancreas considered to be within normal limits histologically.			
Preputial Gland	Duct	Ectasia	Moderate
	[Ectasia TGLS = 1-6]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Bilateral, Germinal Epith	Degeneration	Marked
	Interstitial Cell	Hyperplasia	Mild
	[Degeneration TGLS = 2-5]		
* Thyroid Gland	Follicle	Depletion Secretory	Marked
	Follicular Cell	Hypertrophy	Marked
		Infiltration Cellular	Lymphocyte, Mild
Trachea		Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1040	TRT#: 7	SEX: Male	DAY ON TEST: 295
	DOSE: 800 MG/L	DISP: Terminal Sacrifice	HISTO: 2006640

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Epididymis	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	Penis
* Pituitary Gland	* Spleen		

MISSING

* Thymus

OBSERVATIONS

* Kidney	Renal Tubule	Degeneration	Moderate
	Renal Tubule	Hypertrophy	Mild
		Nephropathy	Mild
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Penis			
Note: TGL#4-9: Unable to code this lesion under penis using the current TDMS lexicon. Lesion coded under skin.			
Skin		Squamous Cell Papilloma	Multiple
Note: TGL#1-6-NCL: Unable to demonstrate histologically. [Squamous Cell Papilloma TGLS = 2,3,4-7+8+9]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Bilateral, Germinal Epith	Degeneration	Minimal
* Thyroid Gland	Follicle	Depletion Secretory	Moderate
	Follicular Cel	Hypertrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1041

TRT#: 2
DOSE: 0 MG/L

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 295
HISTO: 2006641

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Pituitary Gland	* Spleen	* Thymus	* Thyroid Gland

OBSERVATIONS

Eye	Note: TGL#4-8: Unable to code this lesion under eyelid using current TDMS lexicon. Lesion coded under skin.		
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLS = 5-8]		
Skin	Epidermis	Hyperplasia	Focal, Mild
		Inflammation	Chronic Active, Minimal
		Squamous Cell Papilloma	Multiple
	[Hyperplasia TGLS = 3-7]		
	[Squamous Cell Papilloma TGLS = 1,2,4-6+8]		
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple
	[Squamous Cell Papilloma TGLS = 6-3]		
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1042

TRT#: 2

SEX: Female

DAY ON TEST: 295

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 2006642

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric
* Ovary	* Spleen	* Stomach, Forestomach	* Thymus
* Thyroid Gland			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 3-1]		
* Lymph Node, Mandibular		Carcinoma	Metastatic (Uncertain Primary Site)
		Hyperplasia	Lymphoid, Mild
	Note: Carcinoma is possibly of mammary gland or salivary gland origin.		
	[Carcinoma TGLS = 2-6]		
* Pituitary Gland	Pars Distalis	Cyst	Minimal
Skin	Epidermis	Hyperplasia	Focal, Mild
	[Hyperplasia TGLS = 1-7]		
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL#2-6:Salivary gland mass, documented at necropsy, is a metastatic carcinoma involving a mandibular lymph node histologically.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1043

TRT#: 2
DOSE: 0 MG/L

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 93
HISTO: 2006643

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Lung
Lymph Node	* Ovary	* Pituitary Gland	* Spleen
* Thyroid Gland	* Uterus		

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Stomach, Forestomach	Epithelium	Hyperkeratosis	Mild
	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Mild
Tooth		Odontogenic Tumor	Multiple

[Odontogenic Tumor TGLS = 1,2-6]

PRIMARY CAUSE OF DEATH

- Tooth Odontogenic Tumor

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1044	TRT#: 2 DOSE: 0 MG/L	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 295 HISTO: 2006644
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland	* Thymus
* Thyroid Gland			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Mesentery	Fat	Fibrosis	Mild
	Fat	Necrosis	Marked
* Ovary		Atrophy	Mild
		Cyst	Moderate
[Cyst TGLS = 5-5]			
Skin		Squamous Cell Papilloma	Multiple
[Squamous Cell Papilloma TGLS = 1,2-8+7; 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 6-1]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
Tooth		Odontogenic Tumor	
[Odontogenic Tumor TGLS = 7-6]			
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 4-5]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1045

TRT#: 2

SEX: Female

DAY ON TEST: 295

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 2006645

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Pituitary Gland
* Spleen	* Stomach, Forestomach	* Thymus	* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Liver		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1046

TRT#: 2

SEX: Female

DAY ON TEST: 57

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 2006646

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mesenteric	* Ovary	* Pituitary Gland	* Spleen
* Thyroid Gland	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Mild
		Mineralization	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

- Liver Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1047	TRT#: 2 DOSE: 0 MG/L	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 246 HISTO: 2006647
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Stomach, Forestomach	* Thymus	* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
* Ovary		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal
Salivary Glands [Carcinoma TGLS = 1-6]		Carcinoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Salivary Glands Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1048	TRT#: 2 DOSE: 0 MG/L	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 295 HISTO: 2006648
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Spleen
* Thymus			

OBSERVATIONS

* Adrenal Cortex		Mineralization	Minimal
* Liver		Inflammation	Chronic Active, Minimal
	Hepatocyte	Necrosis	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal
Skin	Epidermis	Hyperplasia	Focal, Moderate
		Squamous Cell Papilloma	Multiple
[Hyperplasia TGLS = 2-7]			
[Squamous Cell Papilloma TGLS = 1,2-6+7]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thyroid Gland	Follicle	Depletion Secretory	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1049	TRT#: 2	SEX: Female	DAY ON TEST: 295
	DOSE: 0 MG/L	DISP: Terminal Sacrifice	HISTO: 2006649

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland	* Spleen
* Thymus	* Thyroid Gland		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Ovary		Luteoma	
Skin	Epidermis	Hyperplasia	Focal, Moderate
		Squamous Cell Papilloma	
[Hyperplasia TGLS = 2-7]			
[Squamous Cell Papilloma TGLS = 1-6]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1050

TRT#: 2

SEX: Female

DAY ON TEST: 295

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 2006650

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Ovary	* Pituitary Gland	* Stomach, Forestomach
* Thymus	* Thyroid Gland		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Skin	Epidermis	Hyperplasia	Focal, Mild
		Squamous Cell Papilloma	
[Hyperplasia TGLS = 3-8]			
[Squamous Cell Papilloma TGLS = 1-7]			
* Spleen		Hematopoietic Cell Proliferation	Mild
Tooth		Odontogenic Tumor	
[Odontogenic Tumor TGLS = 2-6]			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1051

TRT#: 4

SEX: Female

DAY ON TEST: 42

DOSE: 80 MG/L

DISP: Natural Death

HISTO: 2006651

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

* Intestine Large, Cecum

* Intestine Large, Colon

* Intestine Small, Duodenum

* Intestine Small, Ileum

* Intestine Small, Jejunum

* Kidney

* Liver

* Lung

* Lymph Node, Mandibular

* Lymph Node, Mesenteric

* Pituitary Gland

* Spleen

* Stomach, Forestomach

* Thymus

* Uterus

MISSING

* Ovary

* Thyroid Gland

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: All tissues were severly autolyzed.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1052	TRT#: 4 DOSE: 80 MG/L	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 295 HISTO: 2006652
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Ovary	

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia Leukemia Erythrocytic Mineralization	Minimal Minimal
* Adrenal Medulla		Leukemia Erythrocytic	
* Kidney	Cortex	Cyst Leukemia Erythrocytic	Minimal
	[Leukemia Erythrocytic TGLS = 8-3+4]		
* Liver		Leukemia Erythrocytic	
	[Leukemia Erythrocytic TGLS = 9-3+4]		
* Lung		Leukemia Erythrocytic	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Marked
	[Hyperplasia TGLS = 6-4]		
* Ovary			
Note: Only one ovary available for histologic examination.			
* Pituitary Gland		Leukemia Erythrocytic	
Skin	Epidermis	Hyperplasia Squamous Cell Papilloma	Focal, Moderate
Note: TGL#2-7-NCL: Nodule, documented at necropsy, not demonstrated histologically.			
	[Hyperplasia TGLS = 3-8]		
	[Squamous Cell Papilloma TGLS = 4-9]		
* Spleen		Leukemia Erythrocytic	
	[Leukemia Erythrocytic TGLS = 7-1]		
* Stomach, Forestomach	Epithelium Epithelium	Hyperkeratosis Hyperplasia Squamous Cell Papilloma	Minimal Mild
	[Squamous Cell Papilloma TGLS = 10-6]		
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1052	TRT#: 4	SEX: Female	DAY ON TEST: 295
	DOSE: 80 MG/L	DISP: Terminal Sacrifice	HISTO: 2006652

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 5-5]			
* Thyroid Gland	Follicle	Degeneration	Mild
	Follicle	Depletion Secretory	Mild
	Follicular Cel	Hypertrophy	Minimal
Tooth		Odontogenic Tumor	
[Odontogenic Tumor TGLS = 1-10]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1053

TRT#: 4

SEX: Female

DAY ON TEST: 295

DOSE: 80 MG/L

DISP: Terminal Sacrifice

HISTO: 2006653

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mesenteric
* Pituitary Gland	* Spleen	* Thymus	

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Marked
[Hyperplasia TGLS = 4-4]			
* Ovary		Inflammation	Chronic Active, Moderate
Skin		Squamous Cell Papilloma	Multiple
[Squamous Cell Papilloma TGLS = 1,3-7+8]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thyroid Gland	Follicle	Depletion Secretory	Minimal
	Follicular Cel	Hypertrophy	Minimal
Tooth		Odontogenic Tumor	
[Odontogenic Tumor TGLS = 2-6]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1054	TRT#: 4	SEX: Female	DAY ON TEST: 295
	DOSE: 80 MG/L	DISP: Terminal Sacrifice	HISTO: 2006654

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon	Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mesenteric	Oviduct	* Stomach, Forestomach	* Thymus

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
	Subcapsular	Hyperplasia	Minimal
Int Lg Rectum			
Note: TGL#1-6: Histologically, the nodules documented at necropsy, involved the perineal skin and not the anus. Therefore, they were coded under skin and not rectum.			
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
Mammary Gland		Adenocarcinoma	
	[Adenocarcinoma TGLS = 2-7]		
* Ovary		Inflammation	Chronic Active, Marked
	[Inflammation TGLS = 5-5]		
* Pituitary Gland	Pars Distalis	Cyst	Minimal
Skin		Squamous Cell Papilloma	Multiple
Note: TGL#2-7: The skin mass, documented at necropsy, is a mammary gland adenoma histologically.			
	[Squamous Cell Papilloma TGLS = 1,3-6+8]		
* Spleen		Hematopoietic Cell Proliferation	Mild
	[Hematopoietic Cell Proliferation TGLS = 4-1]		
* Thyroid Gland	Follicle	Depletion Secretory	Minimal
	Follicular Cel	Hypertrophy	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1055

TRT#: 4

SEX: Female

DAY ON TEST: 295

DOSE: 80 MG/L

DISP: Terminal Sacrifice

HISTO: 2006655

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Ovary	* Pituitary Gland	* Spleen
* Thymus	* Uterus		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 4-1]		
Skin	Epidermis	Hyperplasia	Focal, Moderate
		Squamous Cell Papilloma	Multiple
	[Hyperplasia TGLS = 2-8]		
	[Squamous Cell Papilloma TGLS = 1,2-7+8]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Squamous Cell Papilloma	Multiple
	[Squamous Cell Papilloma TGLS = 6-6]		
* Thymus			
	Note: TGL#5-5-NCL: Thymus appears to be within normal limits histologically.		
* Thyroid Gland	Follicle	Depletion Secretory	Minimal
	Follicular Cel	Hypertrophy	Minimal
Tooth		Odontogenic Tumor	
	[Odontogenic Tumor TGLS = 3-9]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1056

TRT#: 4

SEX: Female

DAY ON TEST: 287

DOSE: 80 MG/L

DISP: Moribund Sacrifice

HISTO: 2006656

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Ovary	* Pituitary Gland	Vagina	

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
	Hepatocyte	Necrosis	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Skin	Subcut Tiss	Fibrosarcoma	
		Squamous Cell Papilloma	
	[Fibrosarcoma TGLS = 2-8]		
	[Squamous Cell Papilloma TGLS = 1-7]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLS = 3-1]		
* Stomach, Forestomach	Epithelium	Hyperkeratosis	Minimal
	Epithelium	Hyperplasia	Mild
	[Squamous Cell Papilloma TGLS = 4-6]	Squamous Cell Papilloma	
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1057

TRT#: 4

SEX: Female

DAY ON TEST: 287

DOSE: 80 MG/L

DISP: Moribund Sacrifice

HISTO: 2006657

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland	* Spleen
* Stomach, Forestomach			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia Mineralization	Minimal Minimal
* Kidney	Cortex	Cyst Nephropathy	Minimal Minimal
* Ovary		Cyst	Mild
[Cyst TGLS = 4-5]			
Skin		Squamous Cell Papilloma	
Note: TGL#3-8-NCL: Unable to demonstrate histologically.			
[Squamous Cell Papilloma TGLS = 1-7]			
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicle Follicular Cel	Depletion Secretory Hypertrophy	Mild Minimal
Tooth		Infiltration Cellular Odontogenic Tumor	Lymphocyte, Minimal Multiple
[Odontogenic Tumor TGLS = 2,6-6]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 5-5]			

PRIMARY CAUSE OF DEATH

-

CONTRIBUTORY CAUSE OF DEATH

- Tooth Odontogenic Tumor

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1058	TRT#: 4 DOSE: 80 MG/L	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 144 HISTO: 2006658
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex		Leukemia Erythrocytic	
* Adrenal Medulla		Leukemia Erythrocytic	
* Kidney	Glomerulus	Inflammation	Membranoprolif, Moderate
		Leukemia Erythrocytic	
* Liver		Leukemia Erythrocytic	
[Leukemia Erythrocytic TGLS = 2-3+4]			
* Lung		Leukemia Erythrocytic	
Lymph Node	Mediastinal	Leukemia Erythrocytic	
* Ovary		Leukemia Erythrocytic	
* Pituitary Gland		Leukemia Erythrocytic	
* Spleen		Leukemia Erythrocytic	
[Leukemia Erythrocytic TGLS = 3-1]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Depletion Secretory	Minimal
* Uterus		Leukemia Erythrocytic	

PRIMARY CAUSE OF DEATH	- Liver Leukemia Erythrocytic
CONTRIBUTORY CAUSE OF DEATH	- Lung Leukemia Erythrocytic; Spleen Leukemia Erythrocytic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1059 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 295
DOSE: 80 MG/L **DISP:** Terminal Sacrifice **HISTO:** 2006659

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Spleen
* Thymus			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
Skin	Epidermis	Hyperplasia	Focal, Moderate
		Squamous Cell Papilloma	Multiple
[Hyperplasia TGLS = 2-8]			
[Squamous Cell Papilloma TGLS = 1-7]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thyroid Gland	Follicle	Depletion Secretory	Minimal
	Follicular Cel	Hypertrophy	Minimal
Tooth		Odontogenic Tumor	
[Odontogenic Tumor TGLS = 3-6]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1060

TRT#: 4

SEX: Female

DAY ON TEST: 255

DOSE: 80 MG/L

DISP: Moribund Sacrifice

HISTO: 2006660

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Pituitary Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Mild
		Inflammation	Chronic Active, Minimal
* Lung		Carcinoma	Metastatic (Zymbal'S Gland)
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
* Lymph Node, Mandibular		Carcinoma	Metastatic (Zymbal'S Gland)
		Hyperplasia	Lymphoid, Moderate
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Polymorphnuclr, Moderate
Note: Sections of mesenteric lymph node on slides #03 and o5.			
* Ovary		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 8-5]			
Salivary Glands		Carcinoma	Metastatic (Zymbal'S Gland)
[Carcinoma TGLS = 4-8]			
Skin		Inflammation	Chronic Active, Moderate
		Squamous Cell Papilloma	Multiple
Note: TGL#2-6: Skin mass, left pinna, documented at necropsy, is a Zymbals gland carcinoma histologically.			
[Squamous Cell Papilloma TGLS = 1,3-6+9]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 5-1]			
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple
[Squamous Cell Papilloma TGLS = 7-7]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicle	Depletion Secretory	Minimal
	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Suppurative, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1060

TRT#: 4

SEX: Female

DAY ON TEST: 255

DOSE: 80 MG/L

DISP: Moribund Sacrifice

HISTO: 2006660

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 6-5]

Zymbal's Gland

Carcinoma

[Carcinoma TGLS = 2-6]

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Lung Carcinoma Zymbal'S Gland;Lymph Node;Mandibular Carcinoma Zymbal'S Gland;Ovary Inflammation;Salivary Glands Carcinoma Zymbal'S Gland;Uterus Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1061	TRT#: 6 DOSE: 400 MG/L	SEX: Female DISP: Natural Death	DAY ON TEST: 287 HISTO: 2006661
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL	* Intestine Large, Cecum * Intestine Small, Jejunum	* Intestine Large, Colon * Lymph Node, Mandibular	* Intestine Small, Duodenum * Lymph Node, Mesenteric	* Intestine Small, Ileum
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OBSERVATIONS				
* Adrenal Cortex			Leukemia Erythrocytic	
* Adrenal Medulla			Leukemia Erythrocytic	
* Kidney	Glomerulus		Inflammation	Membranoprolif, Mild
			Leukemia Erythrocytic	
			Nephropathy	Mild
* Liver	Hepatocyte		Fatty Change	Mild
			Leukemia Erythrocytic	
	[Leukemia Erythrocytic TGLS = 3-3+4]			
* Lung			Leukemia Erythrocytic	
* Ovary			Leukemia Erythrocytic	
* Pituitary Gland			Leukemia Erythrocytic	
Skin			Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 1-7]			
* Spleen			Leukemia Erythrocytic	
	[Leukemia Erythrocytic TGLS = 2-1]			
* Stomach, Forestomach			Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 4-6]			
* Thymus			Atrophy	Moderate
* Thyroid Gland	Follicle		Depletion Secretory	Mild
	Follicular Cel		Hypertrophy	Minimal
* Uterus			Leukemia Erythrocytic	

PRIMARY CAUSE OF DEATH	- Liver Leukemia Erythrocytic
CONTRIBUTORY CAUSE OF DEATH	- Lung Leukemia Erythrocytic; Spleen Leukemia Erythrocytic

Animal Note: TGL#1-7: Vaginal nodule, documented at necropsy, actually involves the perineal skin and therefore it is coded under skin.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1062	TRT#: 6 DOSE: 400 MG/L	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 144 HISTO: 2006662
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Stomach, Forestomach		

OBSERVATIONS

* Adrenal Cortex		Leukemia Erythrocytic	
* Adrenal Medulla		Leukemia Erythrocytic	
* Kidney	Glomerulus	Inflammation	Membranoprolif, Marked
		Leukemia Erythrocytic	
		Nephropathy	Minimal
* Liver		Leukemia Erythrocytic	
	[Leukemia Erythrocytic TGLS = 3,4-3+4]		
* Lung		Leukemia Erythrocytic	
* Lymph Node, Mandibular		Leukemia Erythrocytic	
* Lymph Node, Mesenteric		Leukemia Erythrocytic	
	[Leukemia Erythrocytic TGLS = 5-3]		
* Ovary		Leukemia Erythrocytic	
* Pituitary Gland		Leukemia Erythrocytic	
Skin		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 1-6]		
* Spleen		Leukemia Erythrocytic	
	[Leukemia Erythrocytic TGLS = 2-1]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Depletion Secretory	Mild
	Follicular Cel	Hypertrophy	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH	- Liver Leukemia Erythrocytic
CONTRIBUTORY CAUSE OF DEATH	- Lung Leukemia Erythrocytic; Spleen Leukemia Erythrocytic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1063

TRT#: 6

SEX: Female

DAY ON TEST: 295

DOSE: 400 MG/L

DISP: Terminal Sacrifice

HISTO: 2006663

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Thymus	

OBSERVATIONS

* Kidney	Renal Tubule	Hypertrophy Nephropathy	Minimal Minimal
* Liver		Hematopoietic Cell Proliferation Inflammation	Minimal Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung			
Note: TGL#3-1-NCL: nodule, documented at necropsy, not demonstrated histologically.			
* Ovary		Atrophy	Moderate
Note: One ovary is normal histologically; the other is considered to be moderately atrophic.			
* Pituitary Gland	Pars Distalis	Hypertrophy	Minimal
Skin	Epidermis	Hyperplasia Squamous Cell Papilloma	Focal, Moderate Multiple
Note: TGL#1-6: Only able to demonstrate histologically 1 of the 3 nodules documented at necropsy. [Hyperplasia TGLS = 1-6] [Squamous Cell Papilloma TGLS = 2-7]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thyroid Gland	Follicle Follicular Cel	Depletion Secretory Hypertrophy	Marked Marked
		Infiltration Cellular	Lymphocyte, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1064

TRT#: 6

SEX: Female

DAY ON TEST: 197

DOSE: 400 MG/L

DISP: Moribund Sacrifice

HISTO: 2006664

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mesenteric	* Ovary	* Uterus	Zymbal's Gland

OBSERVATIONS

* Kidney	Renal Tubule	Hypertrophy Nephropathy	Minimal Minimal
* Liver		Hematopoietic Cell Proliferation Inflammation	Minimal Chronic Active, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Pituitary Gland	Pars Distalis	Hypertrophy	Minimal
Salivary Glands [Carcinoma TGLS = 1-6]		Carcinoma	
Skin [Squamous Cell Papilloma TGLS = 2-7]		Squamous Cell Papilloma	Multiple
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Cyst	Minimal
* Thyroid Gland	Follicle Follicular Cel	Depletion Secretory Hypertrophy	Marked Marked
Zymbals GI		Infiltration Cellular	Lymphocyte, Mild

Note: TGL#2-7: Zymbals Gld. mass, documented at necropsy, is cutaneous Sq. cell papilloma histologically. Therefore, this lesion is coded under skin.

PRIMARY CAUSE OF DEATH

- Salivary Glands Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1065

TRT#: 6

SEX: Female

DAY ON TEST: 287

DOSE: 400 MG/L

DISP: Moribund Sacrifice

HISTO: 2006665

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mesenteric	* Ovary	* Pituitary Gland	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
Skin		Squamous Cell Papilloma	Multiple
[Squamous Cell Papilloma TGLS = 1,2,3,4-10+7+8+9]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 5-1]			
* Stomach, Forestomach	Epithelium	Hyperkeratosis	Minimal
	Epithelium	Hyperplasia	Mild
[Squamous Cell Papilloma TGLS = 8-10]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Depletion Secretory	Moderate
	Follicular Cel	Hypertrophy	Moderate
		Infiltration Cellular	Lymphocyte, Minimal
Tooth		Odontogenic Tumor	Multiple
[Odontogenic Tumor TGLS = 6,7-6]			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

- Tooth Odontogenic Tumor

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1066	TRT#: 6	SEX: Female	DAY ON TEST: 295
	DOSE: 400 MG/L	DISP: Terminal Sacrifice	HISTO: 2006666

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Pituitary Gland
* Uterus			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mandibular		Inflammation	Chronic Active, Mild
* Ovary		Luteoma	
Skin	Epidermis	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 1-7]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 3-6]			
* Thymus		Atrophy	Mild
[Atrophy TGLS = 2-5]			
* Thyroid Gland	Follicle	Depletion Secretory	Moderate
	Follicular Cel	Hypertrophy	Moderate
		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1067

TRT#: 6

SEX: Female

DAY ON TEST: 173

DOSE: 400 MG/L

DISP: Natural Death

HISTO: 2006667

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric
* Ovary	* Stomach, Forestomach	* Uterus	

INSUFFICIENT TISSUE

* Pituitary Gland

OBSERVATIONS

* Kidney		Lymphoma Malignant	
* Liver		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 3-3+4]			
* Lung		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
Skin		Squamous Cell Papilloma	Multiple
[Squamous Cell Papilloma TGLS = 1-6]			
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 2-1]			
* Thymus		Atrophy	Mild
		Lymphoma Malignant	
* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate

PRIMARY CAUSE OF DEATH

- Liver Lymphoma Malignant

CONTRIBUTORY CAUSE OF DEATH

- Kidney Lymphoma Malignant;Lung Lymphoma Malignant;Spleen Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1068

TRT#: 6

SEX: Female

DAY ON TEST: 115

DOSE: 400 MG/L

DISP: Moribund Sacrifice

HISTO: 2006668

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Pituitary Gland
* Stomach, Forestomach	* Uterus		

OBSERVATIONS

* Kidney		Mineralization	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Salivary Glands		Carcinoma	
[Carcinoma TGLS = 1-6]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicle	Depletion Secretory	Mild
	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

- Salivary Glands Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1069

TRT#: 6

SEX: Female

DAY ON TEST: 295

DOSE: 400 MG/L

DISP: Terminal Sacrifice

HISTO: 2006669

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Pituitary Gland
* Spleen	* Thymus		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thyroid Gland	Follicle	Depletion Secretory	Moderate
	Follicular Cel	Hypertrophy	Moderate
		Infiltration Cellular	Lymphocyte, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1070	TRT#: 6 DOSE: 400 MG/L	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 295 HISTO: 2006670
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pituitary Gland	* Stomach, Forestomach	* Thymus

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Ovary		Inflammation	Chronic Active, Marked
	[Inflammation TGLS = 6-5]		
Skin		Squamous Cell Papilloma	
	Note: TGL#2-8-NCL: Unable to demonstrate histologically.		
	[Squamous Cell Papilloma TGLS = 1-7]		
* Spleen		Hematopoietic Cell Proliferation	Mild
	[Hematopoietic Cell Proliferation TGLS = 4-1]		
* Thyroid Gland	Follicle	Depletion Secretory	Marked
	Follicular Cel	Hypertrophy	Moderate
		Infiltration Cellular	Lymphocyte, Minimal
Tooth		Odontogenic Tumor	
	[Odontogenic Tumor TGLS = 5-6]		
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLS = 3-5]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1071	TRT#: 8 DOSE: 800 MG/L	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 8 HISTO: 2006671
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node, Mesenteric	* Ovary	* Pituitary Gland
* Spleen	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney	Renal Tubule	Degeneration Mineralization Nephropathy	Minimal Minimal Minimal
Parathyroid Gland		Necrosis	Mild
* Stomach, Forestomach	Epithelium Epithelium	Hyperkeratosis Hyperplasia	Minimal Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle Follicular Cel	Depletion Secretory Hypertrophy	Minimal Mild

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1072	TRT#: 8	SEX: Female	DAY ON TEST: 188
	DOSE: 800 MG/L	DISP: Moribund Sacrifice	HISTO: 2006672

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Spleen	* Uterus		

OBSERVATIONS

* Kidney	Renal Tubule	Degeneration	Moderate
	Renal Tubule	Hypertrophy	Mild
		Nephropathy	Minimal
* Pituitary Gland	Pars Distalis	Hypertrophy	Mild
* Stomach, Forestomach	Epithelium	Hyperkeratosis	Mild
	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Depletion Secretory	Marked
	Follicular Cel	Hypertrophy	Marked
		Infiltration Cellular	Lymphocyte, Minimal
Tooth		Odontogenic Tumor	
	[Odontogenic Tumor TGLS = 1-6]		

PRIMARY CAUSE OF DEATH	- Tooth Odontogenic Tumor
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1073

TRT#: 8

SEX: Female

DAY ON TEST: 295

DOSE: 800 MG/L

DISP: Terminal Sacrifice

HISTO: 2006673

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Uterus

OBSERVATIONS

* Kidney	Renal Tubule Renal Tubule	Degeneration Hypertrophy Nephropathy	Mild Minimal Mild
* Liver	Hepatocyte	Inflammation Vacuolization Cytoplasmic	Chronic Active, Minimal Mild
* Pituitary Gland	Pars Distalis	Hypertrophy	Mild
Skin [Hyperplasia TGLS = 1-6]	Epidermis	Hyperplasia	Focal, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach [Squamous Cell Papilloma TGLS = 2-7]	Epithelium	Hyperplasia Squamous Cell Papilloma	Mild Multiple
* Thymus		Atrophy Cyst	Mild Minimal
* Thyroid Gland	Follicle Follicular Cel	Depletion Secretory Hypertrophy Infiltration Cellular	Marked Marked Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1074

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 800 MG/L

DISP: Moribund Sacrifice

HISTO: 2006674

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	* Lymph Node, Mesenteric	* Ovary	* Pituitary Gland
* Uterus			

OBSERVATIONS

* Liver		Hematopoietic Cell Proliferation Inflammation Hyperplasia	Minimal Chronic Active, Minimal Lymphoid, Marked
* Lymph Node, Mandibular [Hyperplasia TGLS = 1-4]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium Epithelium	Hyperkeratosis Hyperplasia	Minimal Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle Follicular Cel	Depletion Secretory Hypertrophy	Moderate Mild
Tooth [Odontogenic Tumor TGLS = 2-6]		Infiltration Cellular Odontogenic Tumor	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH - Tooth Odontogenic Tumor

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1075

TRT#: 8

SEX: Female

DAY ON TEST: 199

DOSE: 800 MG/L

DISP: Moribund Sacrifice

HISTO: 2006675

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pituitary Gland	* Spleen	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Kidney	Renal Tubule	Hypertrophy	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Mild
Skin	Epidermis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 1-6]			
* Stomach, Forestomach	Epithelium	Hyperkeratosis	Minimal
	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicle	Depletion Secretory	Marked
	Follicular Cel	Hypertrophy	Moderate
		Infiltration Cellular	Lymphocyte, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1076	TRT#: 8 DOSE: 800 MG/L	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 295 HISTO: 2006676
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Spleen	* Stomach, Forestomach

OBSERVATIONS

* Kidney	Renal Tubule Renal Tubule	Degeneration Hypertrophy Nephropathy	Moderate Mild Mild
* Liver	Hepatocyte	Inflammation Vacuolization Cytoplasmic	Chronic Active, Minimal Minimal
* Ovary		Atrophy	Mild
Note: Only one ovary available for histologic examination.			
* Pituitary Gland	Pars Distalis	Hypertrophy	Moderate
Skin		Squamous Cell Papilloma	Multiple
[Squamous Cell Papilloma TGLS = 1-7]			
* Thymus		Atrophy	Moderate
[Atrophy TGLS = 3-5]			
* Thyroid Gland	Follicle Follicular Cel	Depletion Secretory Hypertrophy	Marked Marked
Tooth		Infiltration Cellular Odontogenic Tumor	Lymphocyte, Mild
[Odontogenic Tumor TGLS = 2-6]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1077 **TRT#:** 8 **SEX:** Female **DAY ON TEST:** 277
DOSE: 800 MG/L **DISP:** Moribund Sacrifice **HISTO:** 2006677

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Leukemia Erythrocytic	
* Adrenal Medulla		Leukemia Erythrocytic	
* Kidney	Renal Tubule	Degeneration	Moderate
	Glomerulus	Inflammation	Membranoprolif, Minimal
		Leukemia Erythrocytic	
		Nephropathy	Minimal
* Liver		Leukemia Erythrocytic	
		[Leukemia Erythrocytic TGLS = 3-3+4]	
* Lung		Leukemia Erythrocytic	
* Pituitary Gland	Pars Distalis	Hypertrophy	Mild
		Leukemia Erythrocytic	
	Pars Distalis	Mineralization	Minimal
Skin	Epidermis	Hyperplasia	Focal, Mild
		[Hyperplasia TGLS = 1-6]	
* Spleen		Leukemia Erythrocytic	
		[Leukemia Erythrocytic TGLS = 2-1]	
* Stomach, Forestomach	Epithelium	Hyperkeratosis	Minimal
	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicle	Depletion Secretory	Marked
	Follicular Cel	Hypertrophy	Marked
		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH - Liver Leukemia Erythrocytic
CONTRIBUTORY CAUSE OF DEATH - Lung Leukemia Erythrocytic;Spleen Leukemia Erythrocytic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1078

TRT#: 8

SEX: Female

DAY ON TEST: 115

DOSE: 800 MG/L

DISP: Moribund Sacrifice

HISTO: 2006678

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Liver	* Lung	* Lymph Node, Mesenteric	* Ovary
* Pituitary Gland	* Stomach, Forestomach	* Uterus	

OBSERVATIONS

* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Depletion Secretory	Minimal
	Follicular Cel	Hypertrophy	Mild
Tooth		Odontogenic Tumor	
[Odontogenic Tumor TGLS = 1-6]			

PRIMARY CAUSE OF DEATH

- Tooth Odontogenic Tumor

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1079

TRT#: 8

SEX: Female

DAY ON TEST: 197

DOSE: 800 MG/L

DISP: Moribund Sacrifice

HISTO: 2006679

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Thymus
* Uterus			

OBSERVATIONS

* Kidney	Renal Tubule Renal Tubule	Degeneration Hypertrophy Nephropathy	Mild Mild Minimal
* Liver	Hepatocyte Hepatocyte	Inflammation Necrosis Vacuolization Cytoplasmic	Chronic Active, Minimal Minimal Minimal
* Ovary			
Note: Only one ovary available for histologic examination.			
* Pituitary Gland	Pars Distalis	Hypertrophy	Mild
Salivary Glands		Carcinoma	
[Carcinoma TGLS = 1-7]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium Epithelium	Hyperkeratosis Hyperplasia	Minimal Mild
* Thyroid Gland	Follicle Follicular Cel	Depletion Secretory Hypertrophy	Marked Marked
Tooth		Infiltration Cellular Odontogenic Tumor	Lymphocyte, Mild
[Odontogenic Tumor TGLS = 2-6]			

PRIMARY CAUSE OF DEATH

- Salivary Glands Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 97013-94
Test Type: 26-39 WEEKS
Route: DOSED WATER
Species/Strain: Mouse/TG.AC HEMI

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Water disinfection model (Sodium bromate)
CAS Number: 7789-38-0

Date Report Requested: 10/21/2014
Time Report Requested: 20:49:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1080

TRT#: 8

SEX: Female

DAY ON TEST: 273

DOSE: 800 MG/L

DISP: Natural Death

HISTO: 2006680

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	Nose
* Ovary	* Uterus		

OBSERVATIONS

* Kidney	Renal Tubule	Degeneration Mineralization Nephropathy	Mild Minimal Minimal
Nose			
Note: TGL#7-2-NCL: Nodule, documented at necropsy, not demonstrated histologically.			
* Pituitary Gland	Pars Distalis	Hypertrophy Carcinoma	Mild
Salivary Glands			
[Carcinoma TGLS = 1-6]			
* Spleen		Atrophy	Moderate
* Stomach, Forestomach	Epithelium Epithelium	Hyperkeratosis Hyperplasia	Mild Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle Follicular Cel	Depletion Secretory Hypertrophy Infiltration Cellular	Marked Marked Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

- Salivary Glands Carcinoma

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE