

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

C Number:	C55367B
Lock Date:	01/10/1992
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	07/27/1992

Experiment Number: 05142-03

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Route: DOSED WATER

Species/Strain: Rat/F 344/N

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Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 594

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-46455

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Brain | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- | | |
|-----------------|----------|
| * Mammary Gland | * Thymus |
|-----------------|----------|

OBSERVATIONS

- | | | | |
|-------------------------------------|---------------|----------------------|----------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | | Hypospermia | |
| Eye | Retina | Atrophy | Marked |
| | | Cataract | Moderate |
| | | | |
| [Cataract TGLS = 1-21] | | | |
| * Kidney | | Inflammation | Suppurative, Minimal |
| | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| | Renal Tubule | Pigmentation | Marked |
| * Liver | Centrilobular | Atrophy | Mild |
| | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| | | | |
| [Leukemia Mononuclear TGLS = 4-6] | | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic | Ectasia | Mild |
| | Pancreatic | Leukemia Mononuclear | |
| | | | |
| [Ectasia TGLS = 9-7] | | | |
| [Leukemia Mononuclear TGLS = 9-7] | | | |
| * Lymph Node, Mandibular | | Hyperplasia | Plasma Cell, Mild |

* PROTOCOL REQUIRED TISSUE

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Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 1	TRT#: 1	SEX: Male	DAY ON TEST: 594
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-46455

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 9-7]		Leukemia Mononuclear	
* Nose		Exudate	
		Fungus	
* Pancreas		Atrophy	Moderate
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
		Necrosis	Marked
		Pigmentation	Mild
[Leukemia Mononuclear TGLS = 3-6-1]			
[Necrosis TGLS = 6-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

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Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 553
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-46336

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex [Atrophy TGLS = 4-10]		Atrophy	Moderate
* Bone		Fibrous Osteodystrophy	Mild
* Brain [Compression TGLS = 10-1-1]		Compression	
* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Mild
* Kidney [Nephropathy TGLS = 5-5]	Transit Epithe	Hyperplasia Inflammation Mineralization Nephropathy	Mild Suppurative, Mild Minimal Marked
* Liver [Hepatocellular Adenoma TGLS = 7-21] [Hyperplasia TGLS = 11-22] [Hyperplasia TGLS = 11-22] [Leukemia Mononuclear TGLS = 6-6]	Bile Duct	Hepatocellular Adenoma Hyperplasia Hyperplasia Leukemia Mononuclear	Minimal Focal, Mild
* Lung Lymph Node	Mediastinal	Leukemia Mononuclear Leukemia Mononuclear	

Note: SMALL FOCUS FIBROSIS UNDER CAPSULE, SLIDE 22; NOT CODED

[Hepatocellular Adenoma TGLS = 7-21]

[Hyperplasia TGLS = 11-22]

[Hyperplasia TGLS = 11-22]

[Leukemia Mononuclear TGLS = 6-6]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 553
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-46336

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-3]			
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Nose		Exudate	
		Fungus	
	Mucosa	Hyperplasia	Mild
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Prostate		Inflammation	Suppurative, Moderate
* Spleen		Leukemia Mononuclear	
		Pigmentation	Mild
[Leukemia Mononuclear TGLS = 3-6]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
[Adenoma TGLS = 1-7]			
[Atrophy TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

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Route: DOSED WATER
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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 3	TRT#: 1	SEX: Male	DAY ON TEST: 288
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 87-45206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Testes	* Thymus
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-1]			
* Heart		Leukemia Mononuclear	
* Intestine Small, Jejunum		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 7-22]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Hyperplasia	Focal, Mild
	Lobules	Leukemia Mononuclear	
[Hyperplasia TGLS = 5-21]		Necrosis	Mild
[Leukemia Mononuclear TGLS = 4-6-1]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Prostate		Inflammation	Suppurative, Mild
Spinal Cord		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 9-4]			
* Urinary Bladder		Dilatation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 3	TRT#: 1	SEX: Male	DAY ON TEST: 288
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 87-45206

ORGAN AND ACCOUNTABLE SITE STATUS

	Hemorrhage	Mild
	Inflammation	Suppurative, Mild
[Dilatation TGLS = 1-11,1-11-1]		
[Hemorrhage TGLS = 8-11,8-11-1]		
[Inflammation TGLS = 8-11,8-11-1]		

PRIMARY CAUSE OF DEATH -

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 4	TRT#: 1	SEX: Male	DAY ON TEST: 694
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-48221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia Vacuolization Cytoplasmic	Focal, Minimal Focal, Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	
[Compression TGLS = 11-1-1]			
* Epididymis		Hypospermia	
* Heart		Cardiomyopathy Schwannoma Benign	Minimal
Note: CARDIOMYOPATHY IS ON SLIDE 5-1			
[Schwannoma Benign TGLS = 13-5-1]			
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 8-22]			
* Kidney	Transit Epithe	Hyperplasia Nephropathy	Minimal Moderate
[Nephropathy TGLS = 6-5]			
* Liver		Angiectasis Basophilic Focus Clear Cell Focus	Minimal
	Bile Duct	Hyperplasia Leukemia Mononuclear	Minimal
[Angiectasis TGLS = 7-6]			
* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular	Moderate Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 4	TRT#: 1	SEX: Male	DAY ON TEST: 694
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-48221

ORGAN AND ACCOUNTABLE SITE STATUS

<p>[Hyperplasia TGLS = 12-2-1] * Mammary Gland</p>		<p>Hyperplasia Hyperplasia</p>	<p>Cystic, Minimal Lobular, Mild</p>
<p>[Hyperplasia TGLS = 1-8] [Hyperplasia TGLS = 1-8] * Pancreas</p>	<p>Acinar Cell Acinar Cell</p>	<p>Adenoma Hyperplasia</p>	<p>Focal, Mild</p>
<p>[Adenoma TGLS = 14-24] * Pituitary Gland</p>	<p>Pars Distalis</p>	<p>Adenoma</p>	
<p>[Adenoma TGLS = 10-1] * Prostate</p>		<p>Corpora Amylacea Hyperplasia Inflammation</p>	<p>Mild Lymphoid, Mild Suppurative, Moderate</p>
<p>* Skin [Fibrosarcoma TGLS = 9-23]</p>	<p>Subcut Tiss</p>	<p>Fibrosarcoma</p>	
<p>* Spleen [Fibrosis TGLS = 5-21] [Leukemia Mononuclear TGLS = 4-6]</p>		<p>Fibrosis Leukemia Mononuclear</p>	<p>Mild</p>
<p>* Testes [Adenoma TGLS = 2-7] [Atrophy TGLS = 3-7]</p>	<p>Interstit Cell Seminif Tub</p>	<p>Adenoma Atrophy</p>	<p>Marked</p>
<p>* Thyroid Gland</p>	<p>C Cell</p>	<p>Hyperplasia</p>	<p>Minimal</p>
<p>PRIMARY CAUSE OF DEATH</p>		<p>-</p>	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

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Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 5	TRT#: 1	SEX: Male	DAY ON TEST: 588
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-46432

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 3-23]			
* Bone		Fibrous Osteodystrophy	Mild
* Intestine Small, Duodenum		Erosion	Mild
* Intestine Small, Jejunum	Mucosa	Hyperplasia	Diffuse, Mild
[Hyperplasia TGLS = 9-4]			
* Kidney	Transit Epithe	Hyperplasia Nephropathy	Mild Marked
[Nephropathy TGLS = 4-5,5-5,6-5]			
* Liver		Basophilic Focus	
Lymph Node	Renal Renal	Hemorrhage Pigmentation	Mild Mild
[Hemorrhage TGLS = 7-24]			
[Pigmentation TGLS = 7-24]			
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-21]			
* Nose		Exudate	
* Pancreas	Acinar Cell Acinar Cell	Cytoplasmic Alteration Hyperplasia	Moderate Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
Note: TWO ADENOMAS PRESENT IN PARS DISTALIS			
[Adenoma TGLS = 10-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 5	TRT#: 1	SEX: Male	DAY ON TEST: 588
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-46432

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Corpora Amylacea Hyperplasia Inflammation	Moderate Lymphoid, Mild Suppurative, Mild
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 11-25]			
* Spleen	Red Pulp	Atrophy Pigmentation	Moderate Moderate
[Atrophy TGLS = 2-22]			
* Stomach, Forestomach	Mucosa	Edema Hyperplasia Ulcer	Minimal Moderate Moderate
[Hyperplasia TGLS = 12-26,12-4]			
[Ulcer TGLS = 12-26]			
* Stomach, Glandular		Edema Erosion	Mild Mild
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

Animal Note: PHEOCHROMOCYTOMA ON SLIDE 23 HAS INVADED CAPSULE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 88-48423

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Epididymis		Atypia Cellular	
		Hypospermia	
* Kidney		Inflammation	Suppurative, Minimal
		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Subacute, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 2-2-1]		
* Nose		Exudate	
		Foreign Body	Mild
		Fungus	
	Mucosa	Hyperplasia	Mild
* Pancreas	Acinar Cell	Hyperplasia	Focal, Mild
	[Hyperplasia TGLS = 3-21]		
* Prostate		Inflammation	Suppurative, Minimal
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Moderate
	Note: CYTOPLAS ALTER INVOLVES PAROTID GLAND		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
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Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 88-48423

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 645

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-47046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
		Vacuolization Cytoplasmic	Focal, Moderate
* Bone		Fibrous Osteodystrophy	Mild
* Brain		Compression	
[Compression TGLS = 4-1-1]			
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Colon		Parasite Metazoan	
* Islets, Pancreatic		Adenoma	
		Hyperplasia	Minimal
* Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 3-5-1]			
* Liver	Bile Duct	Clear Cell Focus	
		Hyperplasia	Mild
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
	Acinar Cell	Cytoplasmic Alteration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
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Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 7	TRT#: 1	SEX: Male	DAY ON TEST: 645
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-47046

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-1]			
[Carcinoma TGLS = 5-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
* Spleen	Lymph Follic	Atrophy	Mild
		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	Follicle	Cyst	
	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

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Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 8	TRT#: 1	SEX: Male	DAY ON TEST: 595
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-46862

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Mild
* Bone		Fibrous Osteodystrophy	Mild
* Epididymis		Hypospermia	
* Heart	Myocardium	Cardiomyopathy Mineralization	Moderate Mild
[Cardiomyopathy TGLS = 8-5]			
[Mineralization TGLS = 8-5]			
* Kidney	Transit Epithe	Hyperplasia Nephropathy	Minimal Marked
[Nephropathy TGLS = 3-5]			
* Liver	Bile Duct	Basophilic Focus Clear Cell Focus Hyperplasia	Minimal
[Clear Cell Focus TGLS = 4-21]			
* Lymph Node, Mesenteric		Hemorrhage	Moderate
[Hemorrhage TGLS = 5-5]			
* Nose		Exudate	
* Pancreas		Atrophy Fibrosis	Moderate Moderate
* Parathyroid Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 9-3]			
* Preputial Gland		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 8	TRT#: 1	SEX: Male	DAY ON TEST: 595
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-46862

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach [Hyperplasia TGLS = 10-22]	Mucosa	Hyperplasia	Mild
* Stomach, Glandular		Mineralization	Moderate
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: VEHICLE CONTROL

DISP: Scheduled Sacrifice

HISTO: 88-45563

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|--------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Epididymis |
| * Esophagus | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Liver |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Parathyroid Gland | * Preputial Gland | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|------------------------------|---------------|-----------------------------------|-----------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| * Brain | | Compression | |
| [Compression TGLS = 2-1-1] | | | |
| * Intestine Large, Rectum | | Parasite Metazoan | |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Pancreas | | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 1-1] | | | |
| * Prostate | | Inflammation | Suppurative, Moderate |
| * Stomach, Glandular | | Erosion | Minimal |

PRIMARY CAUSE OF DEATH

-

Animal Note: THE PARASITES ARE SUGGESTIVE OF SYPHACIA SPECIES

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 603

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-46863

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
		Carcinoma	Metastatic (Thyroid Gland)
* Adrenal Medulla		Carcinoma	Metastatic (Thyroid Gland)
* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Dilatation	Moderate
[Dilatation TGLS = 5-4]			
* Intestine Small, Ileum		Dilatation	Moderate
[Dilatation TGLS = 4-4]			
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Carcinoma	Metastatic (Thyroid Gland)
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
[Carcinoma TGLS = 6-6]			
* Lung		Carcinoma	Metastatic (Thyroid Gland)
* Lymph Node, Mandibular		Hemorrhage	Minimal
		Hyperplasia	Lymphoid, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Erosion	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 10	TRT#: 1	SEX: Male	DAY ON TEST: 603
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-46863

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Mucosa	Hyperplasia	Minimal
	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 2-7]			
[Atrophy TGLS = 3-7]			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 1-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 617

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-46864

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
		Hemorrhage	Mild
		Hypertrophy	Focal, Mild
[Hemorrhage TGLS = 6-10]			
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Mild
* Epididymis		Hypospermia	
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Renal Tubule	Nephropathy	Moderate
		Pigmentation	Moderate
[Leukemia Mononuclear TGLS = 7-5]			
[Nephropathy TGLS = 7-5]			
[Pigmentation TGLS = 7-5]			
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6,8-6-1]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 617

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-46864

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 9-5,10-3,3-7] [Leukemia Mononuclear TGLS = 9-5,10-3,3-7] * Lymph Node, Mandibular		Hemorrhage Leukemia Mononuclear	Moderate
[Hemorrhage TGLS = 10-3] [Leukemia Mononuclear TGLS = 9-5,10-3,3-7] * Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-5,10-3,3-7] * Pancreas		Atrophy	Moderate
* Preputial Gland		Leukemia Mononuclear	
* Skin		Acanthosis	Minimal
* Spleen		Fibrosis Hematopoietic Cell Proliferation Leukemia Mononuclear	Moderate Moderate
[Fibrosis TGLS = 5-21] [Hematopoietic Cell Proliferation TGLS = 4-6,4-6-1] [Leukemia Mononuclear TGLS = 4-6,4-6-1] * Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 586

DOSE: VEHICLE CONTROL

DISP: Natural Death

HISTO: 88-46433

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy Pigmentation Hyperplasia	Focal, Mild Moderate Minimal
* Adrenal Medulla			
* Bone	Femur Sternum	Osteopetrosis Osteopetrosis	Mild Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
[Compression TGLS = 4-1-1]			
* Epididymis		Hypospermia	
* Kidney		Mineralization Nephropathy	Minimal Mild
* Liver	Centrilobular	Atrophy Leukemia Mononuclear	Moderate
	Kupffer Cell Hepatocyte	Pigmentation Vacuolization Cytoplasmic	Mild Mild
[Vacuolization Cytoplasmic TGLS = 2-6]			
* Lung		Infiltration Cellular Leukemia Mononuclear	Histiocyte, Mild
Note: STROMAL PROLIF. ASSOC. W/ LEUKEMIA; NOT CODED			
Lymph Node	Mediastinal Pancreatic	Leukemia Mononuclear Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-22]			
[Leukemia Mononuclear TGLS = 7-22]			
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 12	TRT#: 1	SEX: Male	DAY ON TEST: 586
	DOSE: VEHICLE CONTROL	DISP: Natural Death	HISTO: 88-46433

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-22]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-22]			
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Developmental Malformation	
		Leukemia Mononuclear	
		Pigmentation	Mild
[Developmental Malformation TGLS = 6-21]			
* Stomach, Glandular		Erosion	Moderate
[Erosion TGLS = 5-4,5-4-1]			
* Testes	Seminif Tub	Atrophy	Minimal
[Atrophy TGLS = 1-7]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48424

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	
[Compression TGLS = 8-1]			
* Epididymis		Atypia Cellular	
		Hypospermia	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
Note: ADENOMA ALSO ON SLIDE 7			
[Adenoma TGLS = 5-21]			
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 6-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
Note: MIXED CELL FOCI ALSO ON SLIDE 6			
[Mixed Cell Focus TGLS = 11-22]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
[Hyperplasia TGLS = 10-2-1]			
Lymph Node	Mediastinal	Hemorrhage	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48424

ORGAN AND ACCOUNTABLE SITE STATUS

	Mediastinal	Pigmentation	Moderate
[Hemorrhage TGLS = 7-3]			
[Pigmentation TGLS = 7-3]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Corpora Amylacea	Mild
		Fibrosis	Mild
		Inflammation	Suppurative, Mild
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
[Adenoma TGLS = 4-7]			
[Atrophy TGLS = 3-7]			
* Thyroid Gland	C Cell	Adenoma	
		Infiltration Cellular	Histiocyte, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: VEHICLE CONTROL

DISP: Scheduled Sacrifice

HISTO: 88-45564

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
* Nose		Exudate	
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
[Adenoma TGLS = 1-1]			
* Prostate		Inflammation	Suppurative, Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48425

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Brain		Compression	
[Compression TGLS = 9-1]			
* Epididymis		Atypia Cellular	
		Hypospermia	
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
[Cataract TGLS = 1-21]			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 12-24]			
* Kidney	Renal Tubule	Adenoma	
	Transit Epithe	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 7-5]			
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	

Note: MIXED CL FOCUS ALSO ON SLIDE 6

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 15	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 88-48425

ORGAN AND ACCOUNTABLE SITE STATUS

[Hepatodiaphragmatic Nodule TGLS = 13-25]			
[Mixed Cell Focus TGLS = 11-23]			
* Lung	Alveolar Epith	Congestion Hyperplasia Infiltration Cellular	Mild Mild Histiocyte, Mild
Note: LESIONS HAVE DIFFUSE DISTRIBUTION PATTERN			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-22]			
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
Note: PITUITARY GL CONTAINS TWO ADENOMAS IN PARS DISTALIS			
[Adenoma TGLS = 10-1]			
* Prostate		Inflammation	Suppurative, Moderate
[Inflammation TGLS = 6-7]			
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
[Adenoma TGLS = 3-7]			
[Atrophy TGLS = 4-7]			
* Thymus		Thymoma Benign	
* Thyroid Gland	C Cell C Cell	Adenoma Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 553

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-46337

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Diffuse, Moderate
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-5]		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
[Adenoma TGLS = 5-1]			
* Preputial Gland		Carcinoma	
		Inflammation	Chronic, Mild
[Carcinoma TGLS = 1-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 16	TRT#: 1	SEX: Male	DAY ON TEST: 553
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-46337

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Mild
* Skin		Acanthosis	Mild
		Exudate	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6-1]			
* Stomach, Forestomach	Mucosa	Hyperplasia	Mild
* Stomach, Glandular		Edema	Mild
		Erosion	Moderate
[Erosion TGLS = 7-4,7-4-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: VEHICLE CONTROL

DISP: Scheduled Sacrifice

HISTO: 88-45565

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Ectasia	Moderate
		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Nose		Exudate	
	Mucosa	Hyperplasia	Mild
[Exudate TGLS = 2-9,2-9-1]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-1]			
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate		Hyperplasia	Lymphoid, Mild
		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 594

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-46456

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Atypia Cellular	
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Mineralization	Minimal
		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Moderate
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Marked
		Hyperplasia	Focal, Marked
		Leukemia Mononuclear	

Note: PART OF LEUKEMIA MONUC

Note: SLIDE 21 HAS FOCUS OF UNDIFF. CELLS CONSIDERED TO BE

[Hyperplasia TGLS = 4-21,4-21]

[Hyperplasia TGLS = 4-21,4-21]

* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-2]	
Lymph Node	Mediastinal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-3]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-3]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 18	TRT#: 1	SEX: Male	DAY ON TEST: 594
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-46456

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 6-3]		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Suppurative, Moderate
* Spleen [Leukemia Mononuclear TGLS = 2-6-1]		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 623

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-46865

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Congestion	Marked
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Diffuse, Marked
* Adrenal Medulla		Hyperplasia	Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Transit Epithe	Hyperplasia	Mild
		Mineralization	Mild
		Nephropathy	Marked
		[Nephropathy TGLS = 6-5]	
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		[Hepatodiaphragmatic Nodule TGLS = 7-22]	
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Leukemia Mononuclear	
		[Hemorrhage TGLS = 9-3,1-8]	
		[Leukemia Mononuclear TGLS = 9-3,1-8]	
* Lymph Node, Mandibular		Hemorrhage	Mild
		Leukemia Mononuclear	
		[Hemorrhage TGLS = 9-3,1-8]	
		[Leukemia Mononuclear TGLS = 9-3,1-8]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 19	TRT#: 1	SEX: Male	DAY ON TEST: 623
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-46865

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery	Fat	Hemorrhage	Marked
	Fat	Necrosis	Mild
	[Hemorrhage TGLS = 4-21]		
	[Necrosis TGLS = 4-21]		
* Nose		Exudate	
		Foreign Body	Mild
	Mucosa	Hyperplasia	Mild
* Pancreas		Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Nervosa	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-7]		
* Thyroid Gland	Follicular Cel	Carcinoma	
	[Carcinoma TGLS = 8-3]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48426

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Parathyroid Gland	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia	Focal, Minimal
* Epididymis		Atypia Cellular Hypospermia	
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Rectum		Parasite Metazoan	
* Islets, Pancreatic [Carcinoma TGLS = 1-21]		Carcinoma	
* Kidney	Transit Epithe	Hyperplasia Inflammation	Mild Suppurative, Mild
	Renal Tubule	Nephropathy Oncocytoma Benign	Moderate
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Pancreas		Atrophy	Minimal
	Acinar Cell	Hyperplasia	Focal, Mild
		[Hyperplasia TGLS = 5-22]	
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Moderate
		[Adenoma TGLS = 3-1]	
* Preputial Gland		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 20	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 88-48426

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Moderate
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Marked
Note: CYTOPLAS ALTER INVOLVES PAROTID GLAND			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thyroid Gland	Follicle	Cyst	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 669

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-48222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mesenteric	* Parathyroid Gland	* Preputial Gland	* Seminal Vesicle
* Skin	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Inflammation	Chronic Active, Minimal
Note: INFLAMMATION IS IN TESTIS, SLIDE 7			
* Brain		Compression	
		Hydrocephalus	Mild
[Compression TGLS = 5-1-1]			
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 8-23]			
* Kidney	Renal Tubule	Hyperplasia	Minimal
	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 3-5,3-5]			
* Liver	Hepatocyte	Basophilic Focus	
		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose		Exudate	
		Foreign Body	Mild
		Fungus	
	Mucosa	Hyperplasia	Mild
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Moderate
	Acinar Cell	Hyperplasia	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 21	TRT#: 1	SEX: Male	DAY ON TEST: 669
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-48222

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ACINAR HYPERPLASIA IS ON SLIDE 23

* Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Adenoma	
* Prostate		Inflammation	Suppurative, Marked
* Salivary Glands		Atrophy	Mild
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach		Edema	Moderate
		Hyperplasia	Minimal
		Ulcer	Moderate
[Edema TGLS = 9-4]			
* Stomach, Glandular [Edema TGLS = 9-4]		Edema	Mild
* Testes		Spermatocoele	

PRIMARY CAUSE OF DEATH -

Animal Note: TISSUE ON SLIDE 22 IS MAMMARY GLAND, NOT MESENTERY

Animal Note: TISSUE ON SLIDE 21 APPEARS TO BE NORMAL ADIPOSE TISSUE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 589

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-46434

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
		Vacuolization Cytoplasmic	Diffuse, Mild
Blood Vessel		Inflammation	Chronic Active, Minimal
Note: INFLAMM. IS IN TESTIS (SLIDE 7)			
* Brain		Compression	
[Compression TGLS = 7-1-1]			
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
[Cataract TGLS = 1-21]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 5-5]			
* Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Ectasia	Mild
		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 2-22]			
Mesentery	Fat	Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 22	TRT#: 1	SEX: Male	DAY ON TEST: 589
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-46434

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 4-23]			
* Nose		Exudate	
		Foreign Body	Moderate
		Fungus	
	Mucosa	Hyperplasia	Moderate
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Corpora Amylacea	Moderate
		Inflammation	Suppurative, Mild
* Spleen		Pigmentation	Mild
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 572

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-46338

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-1,6-1-1,5-1-1]		
* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Mineralization	Minimal
		Nephropathy	Moderate
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6-1]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-22]		
	[Leukemia Mononuclear TGLS = 8-22]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-22]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 23	TRT#: 1	SEX: Male	DAY ON TEST: 572
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-46338

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-22]			
* Nose		Exudate	
		Fungus	
	Mucosa	Hyperplasia	Mild
* Pancreas		Atrophy	Moderate
		Leukemia Mononuclear	
* Prostate		Inflammation	Suppurative, Minimal
		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
		Necrosis	Moderate
[Leukemia Mononuclear TGLS = 2-6]			
[Necrosis TGLS = 3-21]			
* Stomach, Glandular		Erosion	Mild
		Leukemia Mononuclear	
[Erosion TGLS = 7-4-1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: VEHICLE CONTROL

DISP: Scheduled Sacrifice

HISTO: 88-45566

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Suppurative, Minimal
* Prostate		Hyperplasia	Lymphoid, Mild
		Inflammation	Suppurative, Mild
* Testes	Interstitial Cell	Adenoma	
	Interstitial Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 505

DOSE: VEHICLE CONTROL

DISP: Natural Death

HISTO: 88-45748

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Thrombosis	
	[Thrombosis TGLS = 7-5-1]		
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
	[Leukemia Mononuclear TGLS = 6-6]		
	[Vacuolization Cytoplasmic TGLS = 6-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-8,8-3]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-8,8-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-8,8-3]		
* Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 4-21]		
* Nose		Exudate	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 25	TRT#: 1	SEX: Male	DAY ON TEST: 505
	DOSE: VEHICLE CONTROL	DISP: Natural Death	HISTO: 88-45748

ORGAN AND ACCOUNTABLE SITE STATUS

		Foreign Body	Mild
		Fungus	
	Mucosa	Metaplasia	Squamous, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Stomach, Glandular		Erosion	Moderate
[Erosion TGLS = 10-4-1]			
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 562

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-46339

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Heart
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Thymus	* Trachea	* Urinary Bladder

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Moderate
* Epididymis		Atypia Cellular	
* Intestine Large, Cecum		Edema	Mild
		Erosion	Mild
* Kidney		Leukemia Mononuclear	
		Mineralization	Minimal
		Nephropathy	Mild
	[Leukemia Mononuclear TGLS = 6-5]		
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Lobules	Necrosis	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Leukemia Mononuclear TGLS = 7-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Angiectasis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 562

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-46339

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis

Cyst

Pars Intermed

Cyst

Pars Distalis

Hyperplasia

Moderate

Note: PIGMENT CONTAINING MACROPHAGES ASSOC. W/ ANGIECTASIS

[Angiectasis TGLS = 8-1]

[Hyperplasia TGLS = 8-1]

* Prostate

Inflammation

Suppurative, Mild

* Spleen

Leukemia Mononuclear

Pigmentation

Mild

[Leukemia Mononuclear TGLS = 5-6]

* Stomach, Forestomach

Mucosa

Hyperplasia

Moderate

Ulcer

Marked

* Stomach, Glandular

Erosion

Moderate

[Erosion TGLS = 9-4,9-4-1]

* Testes

Seminif Tub

Atrophy

Mild

Leukemia Mononuclear

[Atrophy TGLS = 3-7]

[Leukemia Mononuclear TGLS = 2-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 646

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-48223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Mammary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Diffuse, Mild
* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel		Inflammation	Chronic Active, Minimal
Note: INFLAMMATION IS IN TESTIS, SLIDE 7			
* Bone		Fibrous Osteodystrophy	Moderate
* Epididymis		Atypia Cellular	
		Hypospermia	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney	Transit Epithe	Hyperplasia	Moderate
		Inflammation	Suppurative, Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
		Granuloma	Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-21]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Nose	Mucosa	Hyperplasia	Mild
* Pancreas		Atrophy	Moderate
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 27	TRT#: 1	SEX: Male	DAY ON TEST: 646
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-48223

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Ectasia	Moderate
		Hyperplasia	Lymphoid, Minimal
		Inflammation	Suppurative, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Mucosa	Hyperplasia	Mild
		Inflammation	Subacute, Mild
	[Hyperplasia TGLS = 4-22]		
* Stomach, Glandular		Edema	Mild
		Inflammation	Chronic, Mild
		Mineralization	Mild
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Minimal
	Interstit Cell	Hyperplasia	Minimal
	[Adenoma TGLS = 1-7]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48427

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Brain | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Parathyroid Gland |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Forestomach |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--|-------------|----------------------------------|-------------------|
| * Adrenal Cortex | | Hematopoietic Cell Proliferation | Mild |
| | | Vacuolization Cytoplasmic | Focal, Mild |
| * Adrenal Medulla | | Hyperplasia | Moderate |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | | Atypia Cellular | |
| | | Hypospermia | |
| * Kidney | | Nephropathy | Moderate |
| [Nephropathy TGLS = 7-5] | | | |
| * Liver | | Congestion | Marked |
| | | Hematopoietic Cell Proliferation | Mild |
| | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Mild |
| | Hepatocyte | Leukemia Mononuclear | |
| [Congestion TGLS = 8-6] | | Vacuolization Cytoplasmic | Mild |
| [Hepatodiaphragmatic Nodule TGLS = 9-23] | | | |
| [Leukemia Mononuclear TGLS = 8-6] | | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 4-21] | | | |
| [Leukemia Mononuclear TGLS = 4-21] | | | |
| * Lymph Node, Mandibular | | Hyperplasia | Plasma Cell, Mild |
| | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48427

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-21]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-21]			
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			
* Nose		Exudate	
		Foreign Body	Mild
		Fungus	
	Mucosa	Metaplasia	Squamous, Minimal
* Pancreas		Atrophy	Moderate
	Acinar Cell	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 11-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
[Hematopoietic Cell Proliferation TGLS = 6-6]			
[Leukemia Mononuclear TGLS = 5-22,6-6]			
* Stomach, Glandular		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 12-4-1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 526

DOSE: VEHICLE CONTROL

DISP: Natural Death

HISTO: 88-45815

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Compression	
		Hydrocephalus	Mild
[Compression TGLS = 5-1]			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Congestion	Moderate
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-8]			
* Nose		Exudate	
		Fungus	
	Mucosa	Hyperplasia	Mild
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Moderate
Note: CYTOPLAS ALTER CONSISTS OF ZYMOGEN GRANULE DEPLETION			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Prostate		Inflammation	Suppurative, Moderate
* Spleen		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 553

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-46340

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
		Vacuolization Cytoplasmic	Focal, Mild
* Brain		Compression	
		Hydrocephalus	Mild
[Compression TGLS = 6-1-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 3-5]			
* Liver	Bile Duct	Hyperplasia	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 2-22]			
* Nose		Exudate	
		Fungus	
	Mucosa	Hyperplasia	Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Prostate		Inflammation	Suppurative, Moderate
* Skin		Acanthosis	Minimal
	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 1-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 553

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-46340

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Pigmentation

Mild

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 630

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-46988

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Vacuolization Cytoplasmic	Focal, Moderate
* Adrenal Medulla		Leukemia Mononuclear Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 5-5]			
* Liver	Bile Duct	Cyst	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Kupffer Cell	Pigmentation	Moderate
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3]			
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-21]			
* Nose		Exudate	
		Foreign Body	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 31	TRT#: 1	SEX: Male	DAY ON TEST: 630
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-46988

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Mucosa Pars Distalis Pars Intermed	Hyperplasia Adenoma Angiectasis Leukemia Mononuclear	Mild Mild
[Adenoma TGLS = 9-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Spleen		Fibrosis Leukemia Mononuclear Pigmentation	Moderate Mild
[Fibrosis TGLS = 4-22]			
[Leukemia Mononuclear TGLS = 3-6]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 720

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-48539

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Thymus	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Leukemia Mononuclear Vacuolization Cytoplasmic	Diffuse, Moderate
[Leukemia Mononuclear TGLS = 7-10,7-10]			
* Adrenal Medulla		Hyperplasia Leukemia Mononuclear	Moderate
[Leukemia Mononuclear TGLS = 7-10,7-10]			
* Epididymis		Hypospermia	
* Heart		Leukemia Mononuclear	
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 11-23]			
* Kidney	Transit Epithe	Hyperplasia Leukemia Mononuclear Nephropathy	Minimal Moderate
[Nephropathy TGLS = 8-5]			
* Liver	Centrilobular	Atrophy Hepatodiaphragmatic Nodule Leukemia Mononuclear	Moderate
	Kupffer Cell	Pigmentation	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Hepatodiaphragmatic Nodule TGLS = 10-22]			
[Leukemia Mononuclear TGLS = 9-6]			
[Vacuolization Cytoplasmic TGLS = 9-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 720

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-48539

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 13-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-3]			
* Mammary Gland		Fibroadenoma Hyperplasia	Cystic, Minimal
[Fibroadenoma TGLS = 3-21]			
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis Pars Distalis	Cyst Hyperplasia Leukemia Mononuclear	Moderate
* Preputial Gland		Ectasia Inflammation Leukemia Mononuclear	Moderate Suppurative, Mild
[Ectasia TGLS = 2-8]			
[Inflammation TGLS = 2-8]			
* Prostate		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Stomach, Forestomach	Mucosa	Hyperplasia Ulcer	Moderate Mild
Note: FORESTOMACH ULCERATION IS NEAR JUNCTION W/ GLAND. STOMACH			
Note: FORESTOMACH HYPERPLASIA ALSO PRESENT ON SLIDE 4			
[Hyperplasia TGLS = 15-24]			
* Stomach, Glandular		Edema Erosion	Mild Moderate
[Erosion TGLS = 14-4-1]			
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 32	TRT#: 1	SEX: Male	DAY ON TEST: 720
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-48539

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-7]			
[Atrophy TGLS = 5-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: VEHICLE CONTROL

DISP: Scheduled Sacrifice

HISTO: 88-45567

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Nose		Exudate	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Hyperplasia	Lymphoid, Mild
		Inflammation	Suppurative, Moderate
* Salivary Glands		Atrophy	Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 604

DOSE: VEHICLE CONTROL

DISP: Natural Death

HISTO: 88-46866

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Bone | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Mammary Gland | * Parathyroid Gland | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Stomach, Glandular | * Thymus |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---|-------------|----------------------|-----------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 8-1] | | | |
| * Epididymis | | Atypia Cellular | |
| * Heart | | Leukemia Mononuclear | |
| * Islets, Pancreatic | | Adenoma | |
| * Kidney | | Leukemia Mononuclear | |
| | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| [Leukemia Mononuclear TGLS = 5-5] | | | |
| [Nephropathy TGLS = 5-5] | | | |
| * Liver | | Degeneration | Cystic, Minimal |
| | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| | | Mixed Cell Focus | |
| | Lobules | Necrosis | Minimal |
| [Leukemia Mononuclear TGLS = 6-6] | | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 1-8,7-3] | | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 1-8,7-3] | | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 34	TRT#: 1	SEX: Male	DAY ON TEST: 604
	DOSE: VEHICLE CONTROL	DISP: Natural Death	HISTO: 88-46866

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-8,7-3]			
* Nose		Exudate	
		Foreign Body	Minimal
	Mucosa	Hyperplasia	Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6-1]			
* Stomach, Forestomach		Erosion	Mild
[Erosion TGLS = 9-4]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48428

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Vacuolization Cytoplasmic	Focal, Mild
Blood Vessel		Inflammation	Chronic Active, Minimal
Note: INFLAMMATION IS ON SLIDE 7, TESTIS			
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Moderate
		Inflammation	Suppurative, Minimal
		Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 6-5]			
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 2-8]			
* Nose	Mucosa	Hyperplasia	Mild
* Pancreas	Acinar Cell	Adenoma	
[Adenoma TGLS = 4-21,8-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 35	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 88-48428

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 7-1]	Pars Nervosa	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Mild
[Inflammation TGLS = 3-7]			
* Spleen		Pigmentation	Mild
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48429

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone		Chordoma	
[Chordoma TGLS = 6-22]			
* Epididymis		Atypia Cellular	
		Hypospermia	
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
[Cataract TGLS = 1-21]			
* Islets, Pancreatic		Adenoma	
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Mild
[Nephropathy TGLS = 3-5]			
* Liver	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Minimal
* Lung		Chordoma	Metastatic (Bone)
[Chordoma TGLS = 5-2,5-2-1,5-2-2]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Ectasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 36	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 88-48429

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ECTATIC AREAS CONTAIN MUCINOUS MATERIAL		Inflammation	Suppurative, Mild
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Marked
Skeletal Muscle		Chordoma	Metastatic (Bone)
Note: METASTATIC CHORDOMA IS ON SLIDE 22			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	Follicle	Cyst	
		Degeneration	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 692

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-48224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|--------------------------|-----------------------------|
| * Esophagus | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mesenteric | * Nose |
| * Preputial Gland | * Salivary Glands | * Seminal Vesicle | * Stomach, Glandular |
| * Trachea | * Urinary Bladder | | |

INSUFFICIENT TISSUE

- * Thymus

OBSERVATIONS

- | | | | |
|---------------------------|----------------|-------------------------------|---------------|
| * Adrenal Cortex | | Cyst | |
| | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Diffuse, Mild |
| * Adrenal Medulla | | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | | Pheochromocytoma Benign | |
| * Bone | | Fibrous Osteodystrophy | Mild |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Compression | |
| | | Hydrocephalus | Mild |
| | | [Compression TGLS = 10-1-1] | |
| * Epididymis | | Hypospermia | |
| * Heart | | Cardiomyopathy | Moderate |
| * Intestine Large, Rectum | | Parasite Metazoan | |
| * Islets, Pancreatic | | Adenoma | |
| | | [Adenoma TGLS = 5-22] | |
| * Kidney | Renal Tubule | Hyperplasia | Mild |
| | Transit Epithe | Hyperplasia | Minimal |
| | | Mineralization | Minimal |
| | | Nephropathy | Marked |
| | | [Nephropathy TGLS = 7-5] | |
| * Liver | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 692

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-48224

ORGAN AND ACCOUNTABLE SITE STATUS

[Hepatodiaphragmatic Nodule TGLS = 8-23]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 1-8]			
* Pancreas	Acinar Cell	Hyperplasia	Focal, Moderate
Note: ACINAR CELL HYPERPLASIA IS ON SLIDE 22			
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Prostate		Ectasia	Mild
		Fibrosis	Mild
		Hyperplasia	Lymphoid, Minimal
		Inflammation	Suppurative, Mild
Note: ECTATIC AREAS CONTAIN LAMINATED, MUCINOUS MATERIAL			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-21]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Stomach, Forestomach	Mucosa	Hyperplasia	Mild
		Ulcer	Moderate
Note: FORESTOMACH HYPERPLASIA ALSO PRESENT ON SLIDE 4			
[Ulcer TGLS = 11-4-1,12-4-1]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
		Mineralization	Mild
[Adenoma TGLS = 4-7]			
[Atrophy TGLS = 3-7]			
* Thyroid Gland		Degeneration	Cystic, Minimal
	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 692

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-48224

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: VEHICLE CONTROL

DISP: Scheduled Sacrifice

HISTO: 88-45568

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Prostate
- * Spleen
- * Thyroid Gland

- * Adrenal Medulla
- * Epididymis
- * Intestine Large, Colon
- * Islets, Pancreatic
- * Mammary Gland
- * Salivary Glands
- * Stomach, Forestomach
- * Trachea

- * Bone
- * Esophagus
- * Intestine Small, Duodenum
- * Lung
- * Pancreas
- * Seminal Vesicle
- * Stomach, Glandular
- * Urinary Bladder

- * Bone Marrow
- * Heart
- * Intestine Small, Ileum
- * Lymph Node, Mandibular
- * Parathyroid Gland
- * Skin
- * Thymus

OBSERVATIONS

- * Intestine Large, Rectum
- * Kidney
- * Liver
- * Nose
- * Pituitary Gland
- * Preputial Gland
- * Testes

- Bile Duct
- Mucosa
- Pars Distalis
- Interstit Cell

- Parasite Metazoan
- Mineralization
- Nephropathy
- Hyperplasia
- Exudate
- Foreign Body
- Hyperplasia
- Adenoma
- Inflammation
- Hyperplasia

- Minimal
- Mild
- Minimal
- Mild
- Mild
- Suppurative, Minimal
- Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 526

DOSE: VEHICLE CONTROL

DISP: Natural Death

HISTO: 88-45816

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Mild
* Epididymis		Hypospermia	
* Kidney		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Moderate
[Pigmentation TGLS = 3-5]			
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Leukemia Mononuclear	
[Vacuolization Cytoplasmic TGLS = 4-6]		Vacuolization Cytoplasmic	Moderate
* Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8,7-3]			
[Leukemia Mononuclear TGLS = 6-8,7-3]			
* Lymph Node, Mandibular		Ectasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8,7-3]			
* Nose		Exudate	
		Foreign Body	Moderate
		Fungus	
	Mucosa	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 39	TRT#: 1	SEX: Male	DAY ON TEST: 526
	DOSE: VEHICLE CONTROL	DISP: Natural Death	HISTO: 88-45816

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Mild
		Cyst	
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
		Pigmentation	Mild
	[Leukemia Mononuclear TGLS = 2-6]		
* Stomach, Glandular		Erosion	Moderate
	[Erosion TGLS = 8-4]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Urinary Bladder		Dilatation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 573

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-46341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
		Vacuolization Cytoplasmic	Focal, Moderate
* Brain		Compression	
		Hydrocephalus	Minimal
	[Compression TGLS = 5-1-1]		
* Kidney		Inflammation	Suppurative, Minimal
		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Angiectasis	Minimal
		Granuloma	Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	[Angiectasis TGLS = 6-22]		
	[Hepatodiaphragmatic Nodule TGLS = 3-21]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Osseous, Minimal
* Nose	Mucosa	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-1]		
* Preputial Gland		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 573

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-46341

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation Hyperplasia Inflammation	Suppurative, Mild Lymphoid, Minimal Suppurative, Moderate
* Spleen		Developmental Malformation Pigmentation	
* Testes	Seminif Tub	Atrophy	Mild Moderate
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 672

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-48225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
		Vacuolization Cytoplasmic	Focal, Mild
		Hyperplasia	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hypospermia	
* Epididymis		Cardiomyopathy	Minimal
* Heart		Leukemia Mononuclear	
* Kidney	Transit Epithe	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mineralization	Minimal
		Nephropathy	Moderate
	[Nephropathy TGLS = 5-5]		
* Liver		Degeneration	Cystic, Moderate
		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6-1,10-6-1]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-2-1]		
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 12-5,13-24]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 12-5,13-24]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 12-5,13-24]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 41 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 672
DOSE: VEHICLE CONTROL **DISP:** Moribund Sacrifice **HISTO:** 88-48225

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose		Exudate	
	Mucosa	Hyperplasia	Mild
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLS = 8-1]		
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Corpora Amylacea	Mild
		Inflammation	Suppurative, Mild
* Skin		Cyst Epithelial Inclusion	
	Note: PORTION OF CYST WALL LOST DURING PROCESSING		
	[Cyst Epithelial Inclusion TGLS = 1-21,1-21-1]		
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
		Necrosis	Marked
	[Fibrosis TGLS = 9-23]		
	[Leukemia Mononuclear TGLS = 3-6]		
	[Necrosis TGLS = 4-22]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7,11-7]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicle	Cyst	
	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: VEHICLE CONTROL

DISP: Scheduled Sacrifice

HISTO: 88-45569

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-21]		Hyperplasia	Minimal
* Nose		Foreign Body	Mild
* Pancreas		Atrophy	Minimal
		Hyperplasia	Lymphoid, Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	Follicle	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 698

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-48226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Brain		Compression	
		Hemorrhage	Mild
		Hydrocephalus	Mild
[Compression TGLS = 7-1]			
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 9-23]			
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
		Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Note: AND BROWNISH PIGMENT			
Note: BASOPHILIC FOCUS CONTAINS ANGIECTASIS, CYSTIC DEGENERATION,			
[Basophilic Focus TGLS = 5-22]			
* Lung		Congestion	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 698

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-48226

ORGAN AND ACCOUNTABLE SITE STATUS

[Congestion TGLS = 6-2]			
* Lymph Node, Mandibular		Ectasia Hyperplasia	Mild Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-21]			
* Pancreas	Acinar Cell	Adenoma Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA CONTAINS EXTENSIVE HEMORRHAGE AND NECROSIS			
[Adenoma TGLS = 8-1]			
* Prostate		Inflammation	Suppurative, Moderate
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Moderate
Note: CYTOPLAS ALTER INVOLVES PAROTID GLAND			
* Spleen		Pigmentation	Mild
* Testes	Seminif Tub Interstit Cell	Atrophy Hyperplasia	Minimal Mild
* Thyroid Gland	Follicle	Cyst Degeneration	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48430

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Seminal Vesicle
* Skin	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Vacuolization Cytoplasmic Hyperplasia	Focal, Minimal Minimal
* Adrenal Medulla		Fibrous Osteodystrophy	Mild
* Bone		Atypia Cellular	
* Epididymis		Hypospermia	
* Kidney	Renal Tubule Transit Epithe	Hyperplasia Hyperplasia Mineralization Nephropathy	Mild Mild Minimal Marked
Note: HYPERPLASTIC RENAL TUBULE SURROUNDS CYSTIC AREA [Nephropathy TGLS = 3-5]			
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Minimal
* Lung		Leukemia Mononuclear	
* Nose	Mucosa	Hyperplasia	Mild
* Pancreas	Acinar Cell Acinar Cell	Atrophy Cytoplasmic Alteration Hyperplasia	Minimal Mild Focal, Moderate
[Hyperplasia TGLS = 7-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Preputial Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 44	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 88-48430

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-8]			
* Prostate		Hyperplasia Inflammation	Lymphoid, Minimal Suppurative, Mild
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Stomach, Forestomach	Mucosa	Edema Hyperplasia Ulcer	Marked Minimal Mild
[Ulcer TGLS = 6-4-1,8-22]			
* Stomach, Glandular		Edema	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 678

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-48227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | | | |

OBSERVATIONS

- | | | | |
|-------------------------------------|----------------|---|---|
| * Adrenal Cortex | | Leukemia Mononuclear
Vacuolization Cytoplasmic
Hyperplasia
Pheochromocytoma Benign | Focal, Minimal
Mild |
| * Adrenal Medulla | | Leukemia Mononuclear
Compression
Leukemia Mononuclear | |
| * Bone Marrow | | | |
| * Brain | | | |
| [Compression TGLS = 13-1] | | | |
| * Epididymis | | Hypospermia | |
| * Kidney | Transit Epithe | Hyperplasia
Leukemia Mononuclear
Nephropathy | Mild
Moderate |
| [Nephropathy TGLS = 7-5] | | | |
| * Liver | | Degeneration
Hematopoietic Cell Proliferation
Hyperplasia
Hyperplasia
Leukemia Mononuclear
Vacuolization Cytoplasmic | Cystic, Mild
Mild
Moderate
Focal, Moderate
Mild |
| | Bile Duct | | |
| | Hepatocyte | | |
| [Hyperplasia TGLS = 9-22] | | | |
| [Hyperplasia TGLS = 9-22] | | | |
| [Leukemia Mononuclear TGLS = 8-6] | | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Iliac | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 45 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 678
DOSE: VEHICLE CONTROL **DISP:** Moribund Sacrifice **HISTO:** 88-48227

ORGAN AND ACCOUNTABLE SITE STATUS

	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8,4-7,11-24,10-23]		
	[Leukemia Mononuclear TGLS = 2-8,4-7,11-24,10-23]		
	[Leukemia Mononuclear TGLS = 2-8,4-7,11-24,10-23]		
* Lymph Node, Mandibular		Ectasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8,4-7,11-24,10-23]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8,4-7,11-24,10-23]		
* Mammary Gland		Hyperplasia	Cystic, Mild
	[Hyperplasia TGLS = 1-8]		
* Nose		Exudate	
		Foreign Body	Mild
	Mucosa	Hyperplasia	Mild
		Leukemia Mononuclear	
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLS = 12-1]		
* Preputial Gland		Leukemia Mononuclear	
* Prostate		Ectasia	Mild
		Fibrosis	Mild
		Inflammation	Suppurative, Moderate
		Leukemia Mononuclear	
* Spleen		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
	[Fibrosis TGLS = 6-21]		
	[Hematopoietic Cell Proliferation TGLS = 5-6]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 678

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-48227

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-6]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-7]

* Thymus

Leukemia Mononuclear

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 657

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-48228

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lymph Node, Mesenteric | * Parathyroid Gland | * Preputial Gland |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|-------------------------------------|--------------|--------------------------------------|-----------------------|
| * Adrenal Cortex | | Leukemia Mononuclear
Pigmentation | Moderate |
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Compression | |
| [Compression TGLS = 5-1] | | | |
| * Epididymis | | Hypospermia | |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Mild |
| | Renal Tubule | Pigmentation | Moderate |
| * Liver | | Degeneration | Cystic, Mild |
| | Bile Duct | Hyperplasia | Moderate |
| | | Hyperplasia | Focal, Mild |
| | | Leukemia Mononuclear | |
| [Hyperplasia TGLS = 7-22] | | | |
| [Hyperplasia TGLS = 7-22] | | | |
| [Leukemia Mononuclear TGLS = 3-6] | | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Hyperplasia | Plasma Cell, Moderate |
| | | Leukemia Mononuclear | |
| * Nose | | Exudate | |
| | | Fungus | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 46	TRT#: 1	SEX: Male	DAY ON TEST: 657
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-48228

ORGAN AND ACCOUNTABLE SITE STATUS

	Mucosa	Hyperplasia	Mild
	Mucosa	Metaplasia	Squamous, Mild
* Pancreas		Focal Cellular Change	
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Cyst	
[Adenoma TGLS = 4-1]			
* Prostate		Corpora Amylacea	Moderate
		Hyperplasia	Lymphoid, Minimal
		Inflammation	Suppurative, Moderate
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 6-21]			
[Leukemia Mononuclear TGLS = 2-6-1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland		Degeneration	Cystic, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: VEHICLE CONTROL

DISP: Scheduled Sacrifice

HISTO: 88-45570

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Brain		Compression	
[Compression TGLS = 2-1]			
* Kidney		Nephropathy	Mild
* Lung		Inflammation	Subacute, Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-1]			
* Prostate		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 563

DOSE: VEHICLE CONTROL

DISP: Natural Death

HISTO: 88-46342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

INSUFFICIENT TISSUE

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Atypia Cellular	
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
[Nephropathy TGLS = 2-5]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	
[Hyperplasia TGLS = 4-21]			
[Hyperplasia TGLS = 4-21]			
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Hemorrhage	Mild
		Leukemia Mononuclear	
* Nose		Foreign Body	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 48	TRT#: 1	SEX: Male	DAY ON TEST: 563
	DOSE: VEHICLE CONTROL	DISP: Natural Death	HISTO: 88-46342

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 1-6-1]		
* Testes	Interstit Cell	Adenoma
[Adenoma TGLS = 5-7]		

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 553

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-46344

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Hypospermia	
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Transit Epithe	Hyperplasia	Mild
		Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 6-5,7-5]			
* Liver	Centrilobular	Atrophy	Mild
		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6,9-6]			
* Lung		Leukemia Mononuclear	
		Metaplasia	Osseous, Minimal
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 10-1]			
* Preputial Gland		Ectasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 49	TRT#: 1	SEX: Male	DAY ON TEST: 553
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-46344

ORGAN AND ACCOUNTABLE SITE STATUS

[Ectasia TGLS = 1-8-1]	Inflammation	Chronic, Moderate
* Prostate	Inflammation	Suppurative, Mild
* Spleen	Fibrosis	Moderate
	Hematopoietic Cell Proliferation	Mild
	Leukemia Mononuclear	
[Fibrosis TGLS = 4-6-1]		
[Leukemia Mononuclear TGLS = 5-6-1]		
* Stomach, Glandular	Mineralization	Moderate
* Testes	Adenoma	
Note: ATROPHY ASSOC W/ ADENOMA NOT CODED		
[Adenoma TGLS = 3-7]		

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 636

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-47015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Epididymis
* Intestine Large, Rectum
* Lymph Node, Mesenteric
* Skin
* Urinary Bladder

* Bone
* Esophagus
* Intestine Small, Ileum
* Parathyroid Gland
* Stomach, Forestomach

* Bone Marrow
* Intestine Large, Cecum
* Intestine Small, Jejunum
* Salivary Glands
* Thymus

* Brain
* Intestine Large, Colon
* Lymph Node, Mandibular
* Seminal Vesicle
* Trachea

OBSERVATIONS

* Adrenal Cortex
Blood Vessel

Hyperplasia
Hypertrophy
Inflammation

Focal, Mild
Moderate
Chronic Active, Moderate

Note: LESIONS ARE ON SLIDE 7 ADJACENT TO PANCREAS

* Heart
* Intestine Small, Duodenum
* Islets, Pancreatic
[Carcinoma TGLS = 4-22]
* Kidney
* Liver

Cardiomyopathy
Erosion
Carcinoma

Nephropathy
Clear Cell Focus
Hepatodiaphragmatic Nodule
Hyperplasia
Hyperplasia
Necrosis

Mild
Mild

Mild

Bile Duct

Lobules

[Hepatodiaphragmatic Nodule TGLS = 7-24]

[Necrosis TGLS = 6-23]

* Lung
* Mammary Gland
[Hyperplasia TGLS = 2-21]
* Nose

Infiltration Cellular
Hyperplasia

Histiocyte, Minimal
Cystic, Moderate

Mucosa

Mucosa

Exudate
Fungus
Hyperplasia
Metaplasia

Mild
Squamous, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 50	TRT#: 1	SEX: Male	DAY ON TEST: 636
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-47015

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Minimal
	Pars Nervosa	Hyperplasia	Minimal
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-8]			
* Prostate		Inflammation	Suppurative, Moderate
* Spleen	Lymph Follic	Atrophy	Mild
	Red Pulp	Atrophy	Mild
		Pigmentation	Moderate
[Atrophy TGLS = 3-6]			
[Atrophy TGLS = 3-6]			
* Stomach, Glandular		Ulcer	Marked
[Ulcer TGLS = 5-4-1]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 51

TRT#: 1

SEX: Male

DAY ON TEST: 20

DOSE: VEHICLE CONTROL

DISP: Natural Death

HISTO: A86041146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mesenteric

OBSERVATIONS

- | | | |
|--------------------------|------------|----------|
| * Bone Marrow | Congestion | Marked |
| * Lung | Congestion | Mild |
| * Stomach, Glandular | Erosion | Moderate |
| [Erosion TGLS = 2-4-1] | | |
| * Thymus | Congestion | Moderate |
| | Hemorrhage | Marked |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 52

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: VEHICLE CONTROL

DISP: Scheduled Sacrifice

HISTO: 88-45571

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|---------------------------|---------------------------|-------------------|----------------------|
| * Intestine Large, Rectum | | Parasite Metazoan | |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Hyperplasia | Lymphoid, Minimal |
| * Lymph Node, Mandibular | | Hemorrhage | Minimal |
| * Pancreas | | Atrophy | Minimal |
| * Preputial Gland | | Inflammation | Chronic, Mild |
| * Prostate | | Inflammation | Suppurative, Minimal |
| * Testes | Bilateral, Interstit Cell | Adenoma | |

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

Animal Note: PITUITARY GLAND-CONSIDERED TO BE NORMAL STRUCTURE

Animal Note: FOCAL AREA OF PALE STAINING CELLS IN PARS DISTALIS OF

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 53

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48431

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Malignant TGLS = 6-10]		Pheochromocytoma Malignant	
* Epididymis		Atypia Cellular Hypospermia	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Parasite Metazoan	
* Islets, Pancreatic [Adenoma TGLS = 9-26]		Adenoma	
* Kidney [Nephropathy TGLS = 5-5]	Transit Epithe	Hyperplasia Mineralization Nephropathy	Mild Minimal Marked
* Liver	Bile Duct	Basophilic Focus Hyperplasia Leukemia Mononuclear	Mild
* Lung		Infiltration Cellular Inflammation	Histiocyte, Minimal Subacute, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland [Hyperplasia TGLS = 1-25]		Hyperplasia	Lobular, Marked
* Nose		Exudate	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 53	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 88-48431

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas [Hyperplasia TGLS = 3-21]	Mucosa Acinar Cell	Hyperplasia Hyperplasia	Mild Focal, Mild
* Spleen [Fibrosis TGLS = 4-22]		Fibrosis Leukemia Mononuclear	Moderate
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	
Tongue [Squamous Cell Papilloma TGLS = 8-24]		Squamous Cell Papilloma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 54

TRT#: 1

SEX: Male

DAY ON TEST: 622

DOSE: VEHICLE CONTROL

DISP: Natural Death

HISTO: 88-46867

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Brain		Compression	
[Compression TGLS = 6-1]			
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 2-21]			
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 3-5]			
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
[Hepatodiaphragmatic Nodule TGLS = 4-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Nose		Exudate	
		Fungus	
	Mucosa	Metaplasia	Squamous, Moderate
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Spleen		Fibrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 54

TRT#: 1

SEX: Male

DAY ON TEST: 622

DOSE: VEHICLE CONTROL

DISP: Natural Death

HISTO: 88-46867

ORGAN AND ACCOUNTABLE SITE STATUS

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 55

TRT#: 1

SEX: Male

DAY ON TEST: 720

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-48432

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Diffuse, Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Epididymis		Atypia Cellular	
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum	Mucosa	Hyperplasia	Diffuse, Mild
[Hyperplasia TGLS = 5-4,6-4]			
* Kidney	Transit Epithe	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Hyperplasia	Plasma Cell, Mild
[Hemorrhage TGLS = 7-3]			
[Hyperplasia TGLS = 7-3]			
* Mammary Gland		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 1-8]			
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Moderate
* Parathyroid Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 8-3]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	Pars Nervosa	Hyperplasia	Minimal
[Hyperplasia TGLS = 9-1]			
[Hyperplasia TGLS = 9-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 55	TRT#: 1	SEX: Male	DAY ON TEST: 720
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-48432

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Mild
* Skin		Acanthosis	Minimal
		Exudate	
		Squamous Cell Papilloma	

Note: PAPILLOMA IS IN AN EARLY STAGE
[Squamous Cell Papilloma TGLS = 14-23]

* Spleen		Pigmentation	Moderate
* Stomach, Forestomach		Edema	Moderate
	Mucosa	Hyperplasia	Moderate
		Ulcer	Marked

Note: FORESTOMACH EDEMA & MUCOSAL HYPERPLASIA ALSO ON SLIDES

[Edema TGLS = 13-22]
[Hyperplasia TGLS = 13-22]
[Ulcer TGLS = 4-4-2,10-4-1,12-21]

* Stomach, Glandular		Ulcer	Moderate
* Testes	Seminif Tub	Atrophy	Moderate
		Mineralization	Minimal

[Atrophy TGLS = 2-7]

PRIMARY CAUSE OF DEATH -

Animal Note: TRACHEA PRESENT ON SLIDE 2

Animal Note: 4, 4-1, 4-2, AND 4-3

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 56

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: VEHICLE CONTROL

DISP: Scheduled Sacrifice

HISTO: 88-45572

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Granuloma	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Pancreas		Atrophy	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 57

TRT#: 1

SEX: Male

DAY ON TEST: 617

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-46868

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Vacuolization Cytoplasmic Hyperplasia Hypertrophy Inflammation	Focal, Mild Minimal Moderate Chronic Active, Moderate
* Adrenal Medulla Blood Vessel			
[Hypertrophy TGLS = 5-23] [Inflammation TGLS = 5-23]			
* Bone		Fibrous Osteodystrophy Hyperplasia	Minimal Diffuse, Mild
* Intestine Small, Jejunum [Hyperplasia TGLS = 7-4,6-4]	Mucosa		
* Kidney [Nephropathy TGLS = 3-5]	Transit Epithe	Hyperplasia Nephropathy	Mild Marked
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung [Hyperplasia TGLS = 8-2-1]	Alveolar Epith	Hyperplasia Infiltration Cellular	Moderate Histiocyte, Minimal
* Lymph Node, Mandibular [Hyperplasia TGLS = 2-8] [Inflammation TGLS = 2-8]		Hyperplasia Inflammation	Plasma Cell, Mild Suppurative, Mild
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Mammary Gland [Hyperplasia TGLS = 1-21]		Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 57

TRT#: 1

SEX: Male

DAY ON TEST: 617

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-46868

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Exudate	
		Foreign Body	Mild
		Fungus	
	Mucosa	Hyperplasia	Mild
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Skin		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 9-24]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Mucosa	Hyperplasia	Mild
		Inflammation	Subacute, Mild
	[Hyperplasia TGLS = 10-4,10-25]		
	[Inflammation TGLS = 10-25]		
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: SKIN IS PRESENT ON SLIDE 21

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 58

TRT#: 1

SEX: Male

DAY ON TEST: 614

DOSE: VEHICLE CONTROL

DISP: Natural Death

HISTO: 88-46869

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 1-21]			
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
Note: HEPATOCYTES IN MIXED CL FOCUS ARE ENLARGED & SOME HAVE MULTIPLE NUCLEI			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Nose		Exudate	
		Foreign Body	Mild
		Fungus	
	Mucosa	Hyperplasia	Mild
	Mucosa	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Pigmentation	Moderate
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 58

TRT#: 1

SEX: Male

DAY ON TEST: 614

DOSE: VEHICLE CONTROL

DISP: Natural Death

HISTO: 88-46869

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-22]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 59

TRT#: 1

SEX: Male

DAY ON TEST: 637

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-47016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Pigmentation	Moderate
[Leukemia Mononuclear TGLS = 6-10]			
[Pigmentation TGLS = 6-10]			
* Adrenal Medulla		Hyperplasia Leukemia Mononuclear	Moderate
[Leukemia Mononuclear TGLS = 6-10]			
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression Leukemia Mononuclear Vacuolization Cytoplasmic	Mild
[Compression TGLS = 12-1-1]			
* Epididymis		Atypia Cellular	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney	Transit Epithe	Hyperplasia Leukemia Mononuclear	Minimal
	Renal Tubule	Nephropathy Pigmentation	Moderate Moderate
[Leukemia Mononuclear TGLS = 7-5-1]			
[Nephropathy TGLS = 7-5-1]			
[Pigmentation TGLS = 7-5-1]			
* Liver	Centrilobular	Atrophy Degeneration	Moderate Cystic, Mild
	Bile Duct	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 59	TRT#: 1 DOSE: VEHICLE CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 637 HISTO: 88-47016
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ORGAN AND ACCOUNTABLE SITE STATUS

Organ	Accountable Site	Status	Remarks
		Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
	Hepatocyte		
	[Hyperplasia TGLS = 9-22]		
	[Hyperplasia TGLS = 9-22]		
	[Leukemia Mononuclear TGLS = 8-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLS = 1-8]		
* Nose		Exudate	
	Note: EXUDATE IS WITHIN A DILATED MUCOSAL GLAND		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 11-1]	Leukemia Mononuclear	
* Preputial Gland		Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Mild
		Hyperplasia	Lymphoid, Mild
		Inflammation	Suppurative, Moderate
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
		Pigmentation	Mild
	[Fibrosis TGLS = 5-21]		
	[Leukemia Mononuclear TGLS = 4-6]		
* Stomach, Forestomach	Mucosa	Hyperplasia	Moderate
	[Hyperplasia TGLS = 13-23]		
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 59	TRT#: 1	SEX: Male	DAY ON TEST: 637
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-47016

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-7] [Atrophy TGLS = 2-7]	Seminif Tub	Atrophy	Moderate
* Thyroid Gland [Carcinoma TGLS = 10-3]	Follicular Cel	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 60

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48433

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Malignant	Mild
[Pheochromocytoma Malignant TGLS = 3-22]			
* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum		Fibrosis	Moderate
		Inflammation	Chronic, Moderate
		Metaplasia	Osseous, Moderate
[Fibrosis TGLS = 6-24]			
[Inflammation TGLS = 6-24]			
[Metaplasia TGLS = 6-24]			
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Angiectasis TGLS = 4-6]			
[Clear Cell Focus TGLS = 7-6-1]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Ectasia	Marked
[Ectasia TGLS = 5-23]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 60	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 88-48433

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland Note: THE HYPERPLASIA CONSISTS OF A SINGLE LARGE CYST [Hyperplasia TGLS = 1-25]		Hyperplasia	Cystic, Marked
* Nose		Exudate Foreign Body Fungus	Moderate
* Pancreas	Mucosa	Hyperplasia Atrophy	Moderate Mild
* Pituitary Gland	Acinar Cell Pars Distalis	Hyperplasia	Focal, Minimal
* Prostate		Hyperplasia Corpora Amylacea Inflammation	Minimal Mild Suppurative, Mild
* Spleen [Infiltration Cellular TGLS = 2-21]		Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
* Testes [Adenoma TGLS = 8-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	Follicle C Cell Follicular Cel	Cyst Hyperplasia Hyperplasia	Minimal Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 61

TRT#: 3

SEX: Male

DAY ON TEST: 673

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-48229

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation Hyperplasia Vacuolization Cytoplasmic Hyperplasia	Minimal Focal, Minimal Focal, Mild Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hypospermia	
* Epididymis		Cardiomyopathy	Mild
* Heart		Parasite Metazoan	
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Adenoma	
* Islets, Pancreatic			
Note: TWO ADENOMAS PRESENT ON SLIDE 22			
[Adenoma TGLS = 9-22]			
* Kidney	Renal Tubule	Hyperplasia	Mild
	Transit Epithe	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
[Nephropathy TGLS = 3-5]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	
	Lobules	Necrosis	Moderate
[Hyperplasia TGLS = 4-6]			
[Hyperplasia TGLS = 4-6]			
[Leukemia Mononuclear TGLS = 4-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 61

TRT#: 3

SEX: Male

DAY ON TEST: 673

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-48229

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-2,7-2-1]			
* Lymph Node, Mandibular		Hemorrhage	Mild
		Hyperplasia	Plasma Cell, Mild
[Hemorrhage TGLS = 5-5]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
[Hemorrhage TGLS = 5-5]			
* Pancreas		Atrophy	Minimal
Penis		Inflammation	Suppurative, Marked
[Inflammation TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Nervosa	Hyperplasia	Minimal
[Adenoma TGLS = 6-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Corpora Amylacea	Mild
		Inflammation	Suppurative, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
[Hematopoietic Cell Proliferation TGLS = 2-6]			
[Leukemia Mononuclear TGLS = 2-6]			
* Stomach, Glandular		Edema	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 8-7]			
* Thymus		Thymoma Malignant	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 62

TRT#: 3

SEX: Male

DAY ON TEST: 646

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-48230

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Brain | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Preputial Gland | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|-------------------|----------------|---|------------------------------------|
| * Adrenal Cortex | | Leukemia Mononuclear
Vacuolization Cytoplasmic | Diffuse, Moderate |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear
Myelofibrosis | Marked |
| * Epididymis | | Hypospermia | |
| * Kidney | Transit Epithe | Hyperplasia
Leukemia Mononuclear
Nephropathy | Minimal
Mild |
| * Liver | Bile Duct | Hematopoietic Cell Proliferation
Hyperplasia
Hyperplasia
Leukemia Mononuclear | Minimal
Moderate
Focal, Mild |
| | Kupffer Cell | Pigmentation | Moderate |
| | | [Hyperplasia TGLS = 6-6]
[Hyperplasia TGLS = 6-6]
[Leukemia Mononuclear TGLS = 6-6] | |
| * Lung | | Leukemia Mononuclear | |
| * Mammary Gland | | Hyperplasia | Cystic, Moderate |
| Mesentery | Fat | Necrosis | Moderate |
| | | [Necrosis TGLS = 3-21] | |
| * Prostate | | Inflammation | Suppurative, Marked |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 62	TRT#: 3	SEX: Male	DAY ON TEST: 646
	DOSE: 0.125%	DISP: Moribund Sacrifice	HISTO: 88-48230

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 4-7]			
* Spleen		Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
[Hematopoietic Cell Proliferation TGLS = 5-6]			
[Leukemia Mononuclear TGLS = 5-6]			
* Stomach, Forestomach		Edema	Moderate
	Mucosa	Hyperplasia	Moderate
		Ulcer	Moderate
Note: FORESTOMACH ULCER & HYPERPLASIA ALSO PRESENT ON SLIDE 4			
[Hyperplasia TGLS = 7-4-1]			
[Ulcer TGLS = 8-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
[Adenoma TGLS = 1-7]			
[Atrophy TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 63

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.125%

DISP: Terminal Sacrifice

HISTO: 88-48439

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Adrenal Medulla		Hyperplasia	Moderate
* Brain		Compression	
		Hydrocephalus	Mild
[Compression TGLS = 8-1-1]			
* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Moderate
* Kidney	Transit Epithe	Hyperplasia	Mild
		Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 5-5]			
* Liver		Angiectasis	Mild
		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	
[Angiectasis TGLS = 6-6]			
[Hyperplasia TGLS = 10-22]			
[Hyperplasia TGLS = 10-22]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 63	TRT#: 3 DOSE: 0.125%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: 88-48439
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 9-1]	Pars Distalis	Adenoma	
* Prostate		Inflammation	Suppurative, Moderate
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
		Pigmentation	Moderate
[Fibrosis TGLS = 4-21]			
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
[Adenoma TGLS = 3-7] [Atrophy TGLS = 2-7]			
* Thyroid Gland	C Cell C Cell	Adenoma Hyperplasia	Mild
[Adenoma TGLS = 7-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 64	TRT#: 3 DOSE: 0.125%	SEX: Male DISP: Scheduled Sacrifice	DAY ON TEST: 456 HISTO: 88-45573
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Lung		Inflammation	Subacute, Minimal
* Pancreas		Atrophy	Mild
* Prostate		Inflammation	Suppurative, Mild
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 591

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-46457

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Brain | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Mammary Gland | * Parathyroid Gland |
| * Salivary Glands | * Seminal Vesicle | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--------------------------|----------------|--|----------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | | Atypia Cellular | |
| * Islets, Pancreatic | | Adenoma | |
| * Kidney | Transit Epithe | Hyperplasia | Minimal |
| | | Inflammation | Suppurative, Minimal |
| | | Nephropathy | Moderate |
| | | [Nephropathy TGLS = 6-5] | |
| * Liver | | Angiectasis | Mild |
| | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | | [Hepatodiaphragmatic Nodule TGLS = 8-24] | |
| | | [Leukemia Mononuclear TGLS = 7-6] | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| Mesentery | Fat | Necrosis | Moderate |
| | | [Necrosis TGLS = 3-22] | |
| * Nose | | Exudate | |
| | | Fungus | |
| | Mucosa | Hyperplasia | Mild |
| * Pancreas | | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 65	TRT#: 3 DOSE: 0.125%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 591 HISTO: 88-46457
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland [Carcinoma TGLS = 1-21]		Carcinoma	
* Prostate		Corpora Amylacea Inflammation	Moderate Suppurative, Moderate
* Skin [Squamous Cell Papilloma TGLS = 10-26]		Squamous Cell Papilloma	
* Spleen [Fibrosis TGLS = 5-23] [Leukemia Mononuclear TGLS = 4-6]		Fibrosis Hematopoietic Cell Proliferation Leukemia Mononuclear	Moderate Mild
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 66

TRT#: 3

SEX: Male

DAY ON TEST: 679

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-48231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Fibrous Osteodystrophy	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 6-21]			
* Kidney	Transit Epithe	Hyperplasia	Mild
		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 4-6]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Ectasia	Mild
		Hyperplasia	Plasma Cell, Moderate
* Nose		Exudate	
		Fungus	
	Mucosa	Hyperplasia	Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Prostate		Hyperplasia	Lymphoid, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 66

TRT#: 3

SEX: Male

DAY ON TEST: 679

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-48231

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Inflammation

Suppurative, Mild

Fibrosis

Minimal

Leukemia Mononuclear

Pigmentation

Mild

[Fibrosis TGLS = 3-6]

[Leukemia Mononuclear TGLS = 3-6]

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 575

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-46345

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Mild
* Epididymis		Atypia Cellular	
* Kidney	Renal Tubule	Hyperplasia	Minimal
	Transit Epithe	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Moderate
	[Nephropathy TGLS = 4-5]		
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Lobules	Necrosis	Minimal
	[Leukemia Mononuclear TGLS = 6-6-1,7-6-1]		
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Mild
	Note: EPITHELIAL HYPERPLASIA ASSOC. W/ INFLAMMATION NOT CODED		
* Skin		Acanthosis	Minimal
* Spleen		Fibrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 67	TRT#: 3 DOSE: 0.125%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 575 HISTO: 88-46345
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ORGAN AND ACCOUNTABLE SITE STATUS

		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		Pigmentation	Mild
[Fibrosis TGLS = 3-21]			
[Leukemia Mononuclear TGLS = 2-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 520

DOSE: 0.125%

DISP: Natural Death

HISTO: 88-45779

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Brain		Compression	
		Hemorrhage	Marked
		Hydrocephalus	Mild
[Compression TGLS = 3-1]			
* Islets, Pancreatic		Adenoma	
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Focal, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Congestion	Mild
* Lymph Node, Mesenteric		Hemorrhage	Moderate
* Mammary Gland		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 69

TRT#: 3

SEX: Male

DAY ON TEST: 629

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-46989

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 1-5]			
* Liver		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Mild
		Inflammation	Subacute, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Carcinoma	Metastatic (Thyroid Gland)
* Pancreas		Atrophy	Moderate
	Acinar Cell	Cytoplasmic Alteration	Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Moderate
[Inflammation TGLS = 5-7]			
* Spleen		Pigmentation	Mild
* Testes	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 2-3,3-21]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 70

TRT#: 3

SEX: Male

DAY ON TEST: 651

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-48232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Congestion	Moderate
		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Focal, Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Mild
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
[Pigmentation TGLS = 4-5]			
* Liver	Centrilobular	Atrophy	Mild
		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Pancreatic	Pigmentation	Marked
[Leukemia Mononuclear TGLS = 3-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 70	TRT#: 3	SEX: Male	DAY ON TEST: 651
	DOSE: 0.125%	DISP: Moribund Sacrifice	HISTO: 88-48232

ORGAN AND ACCOUNTABLE SITE STATUS

[Pigmentation TGLS = 3-21]			
* Lymph Node, Mandibular		Hemorrhage	Minimal
		Hyperplasia	Plasma Cell, Mild
* Pancreas		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLS = 8-1]			
* Prostate		Corpora Amylacea	Mild
* Spleen		Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
		Pigmentation	Mild
[Fibrosis TGLS = 7-23]			
[Hematopoietic Cell Proliferation TGLS = 1-6]			
[Leukemia Mononuclear TGLS = 1-6]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 2-7]			
* Thyroid Gland	Follicle	Cyst	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 71	TRT#: 3 DOSE: 0.125%	SEX: Male DISP: Scheduled Sacrifice	DAY ON TEST: 456 HISTO: 88-45574
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Kidney		Nephropathy	Moderate
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Pigmentation	Mild
* Stomach, Glandular		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 2-4-1]			
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 553

DOSE: 0.125%

DISP: Natural Death

HISTO: 88-46346

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-1]			
* Epididymis		Atypia Cellular	
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mineralization	Minimal
		Nephropathy	Mild
[Nephropathy TGLS = 6-5]			
* Liver		Leukemia Mononuclear	
		Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 7-6-1]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-23,2-8]			
[Leukemia Mononuclear TGLS = 5-23,2-8]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-23,2-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 72	TRT#: 3 DOSE: 0.125%	SEX: Male DISP: Natural Death	DAY ON TEST: 553 HISTO: 88-46346
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ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 5-23,2-8]		Leukemia Mononuclear	
* Mammary Gland [Hyperplasia TGLS = 1-21]		Hyperplasia	Cystic, Mild
Mesentery [Leukemia Mononuclear TGLS = 8-22]		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland [Adenoma TGLS = 9-1]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 4-6]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 3-7]	Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 575

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-46347

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Atypia Cellular	
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Mineralization	Minimal
		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Mild
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6-1]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-21,5-3]		
	[Leukemia Mononuclear TGLS = 3-21,5-3]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-21,5-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-21,5-3]		
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 73	TRT#: 3	SEX: Male	DAY ON TEST: 575
	DOSE: 0.125%	DISP: Moribund Sacrifice	HISTO: 88-46347

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 74

TRT#: 3

SEX: Male

DAY ON TEST: 307

DOSE: 0.125%

DISP: Natural Death

HISTO: 87-45207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Epididymis
- * Lymph Node, Mesenteric
- * Pituitary Gland
- * Seminal Vesicle
- * Thymus

- * Adrenal Medulla
- * Esophagus
- * Mammary Gland
- * Preputial Gland
- * Skin
- * Trachea

- * Bone
- * Heart
- * Nose
- * Prostate
- * Stomach, Forestomach

- * Brain
- * Liver
- * Parathyroid Gland
- * Salivary Glands
- * Testes

AUTO PRECLUDES DIAG.

- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Spleen

- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Thyroid Gland

- * Intestine Large, Rectum
- * Islets, Pancreatic

- * Intestine Small, Duodenum
- * Pancreas

OBSERVATIONS

- * Bone Marrow
- * Kidney
- * Lung
- * Lymph Node, Mandibular
- * Stomach, Glandular
[Erosion TGLS = 3-4]
- * Urinary Bladder

- Hypercellularity
- Mineralization
- Inflammation
- Ectasia
- Erosion
- Hemorrhage
- Inflammation

- Mild
- Moderate
- Subacute, Mild
- Moderate
- Moderate
- Mild
- Suppurative, Moderate

Note: PALE YELLOW STAINING UNIDENTIFIED MATERIAL IN BLADDER WALL

[Hemorrhage TGLS = 2-11,2-11-1]

[Inflammation TGLS = 2-11,2-11-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 75

TRT#: 3

SEX: Male

DAY ON TEST: 557

DOSE: 0.125%

DISP: Natural Death

HISTO: 88-46348

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Diffuse, Moderate
* Epididymis		Hypospermia	
* Heart		Thrombosis	
[Thrombosis TGLS = 7-5,7-23]			
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Lobules	Necrosis	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Hepatodiaphragmatic Nodule TGLS = 11-24]			
[Vacuolization Cytoplasmic TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Renal	Hemorrhage	Mild
	Lumbar	Hyperplasia	Plasma Cell, Moderate
	Renal	Hyperplasia	Plasma Cell, Mild
[Hemorrhage TGLS = 10-8]			
[Hyperplasia TGLS = 2-21,3-22]			
[Hyperplasia TGLS = 2-21,3-22]			
* Lymph Node, Mandibular		Hemorrhage	Minimal
[Hemorrhage TGLS = 10-8]			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 75	TRT#: 3 DOSE: 0.125%	SEX: Male DISP: Natural Death	DAY ON TEST: 557 HISTO: 88-46348
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-1]			
* Prostate		Inflammation	Suppurative, Moderate
* Spleen	Lymph Follic	Atrophy	Moderate
		Fibrosis	Mild
		Pigmentation	Mild
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 8-4]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
[Adenoma TGLS = 9-7]			
[Atrophy TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 8 NOT SEEN ON SLIDE 4-1

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 76

TRT#: 3

SEX: Male

DAY ON TEST: 603

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-46870

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Mineralization	Minimal
		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Mild
		[Leukemia Mononuclear TGLS = 6-5]	
		[Nephropathy TGLS = 6-5]	
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-6]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-2,8-2]	
* Lymph Node, Mandibular		Ectasia	Mild
		Hyperplasia	Plasma Cell, Moderate
		Leukemia Mononuclear	
		[Ectasia TGLS = 2-8]	
		[Hyperplasia TGLS = 2-8]	
		[Leukemia Mononuclear TGLS = 2-8]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 76	TRT#: 3	SEX: Male	DAY ON TEST: 603
	DOSE: 0.125%	DISP: Moribund Sacrifice	HISTO: 88-46870

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 2-8]		Leukemia Mononuclear	
* Nose		Exudate	
		Foreign Body	Mild
	Mucosa	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
	Pars Nervosa	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Skin [Fibroma TGLS = 1-21]	Subcut Tiss	Fibroma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		Pigmentation	Mild
[Hematopoietic Cell Proliferation TGLS = 3-6-1]			
[Leukemia Mononuclear TGLS = 3-6-1]			
* Testes [Adenoma TGLS = 5-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
		Degeneration	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 77

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: 0.125%

DISP: Scheduled Sacrifice

HISTO: 88-45575

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- | | | | |
|------------------------------|---------------|---------------------------|-----------------|
| * Brain | | Compression | |
| [Compression TGLS = 3-1-1] | | | |
| * Intestine Large, Rectum | | Parasite Metazoan | |
| * Kidney | | Nephropathy | Moderate |
| [Nephropathy TGLS = 1-5] | | | |
| * Liver | Bile Duct | Hyperplasia | Minimal |
| | Hepatocyte | Vacuolization Cytoplasmic | Mild |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Mammary Gland | | Hyperplasia | Cystic, Minimal |
| * Pancreas | | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 2-1] | | | |
| * Preputial Gland | | Inflammation | Chronic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.125%

DISP: Terminal Sacrifice

HISTO: 88-48440

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

- * Thymus

OBSERVATIONS

- | | | | |
|----------------------------|----------------|---------------------------|----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Focal, Mild |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Epididymis | | Hypospermia | |
| * Heart | | Cardiomyopathy | Mild |
| * Intestine Large, Rectum | | Parasite Metazoan | |
| * Kidney | Transit Epithe | Hyperplasia | Mild |
| | | Inflammation | Suppurative, Minimal |
| | | Mineralization | Minimal |
| | | Nephropathy | Moderate |
| [Nephropathy TGLS = 4-5] | | | |
| * Liver | Bile Duct | Basophilic Focus | |
| | | Hyperplasia | Minimal |
| | | Hyperplasia | Focal, Minimal |
| | | Leukemia Mononuclear | |
| | | Mixed Cell Focus | |
| | Lobules | Necrosis | Minimal |
| | Hepatocyte | Vacuolization Cytoplasmic | Mild |

Note: MIXED CL FOCI CONTAIN ANGIECTASIS & CYSTIC DEGENERATION

[Hyperplasia TGLS = 6-6]

[Hyperplasia TGLS = 6-6]

[Leukemia Mononuclear TGLS = 5-6]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.125%

DISP: Terminal Sacrifice

HISTO: 88-48440

ORGAN AND ACCOUNTABLE SITE STATUS

[Mixed Cell Focus TGLS = 7-23]

* Lung		Hyperplasia Infiltration Cellular	Lymphoid, Mild Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose		Exudate Foreign Body Fungus	Mild
* Pancreas	Mucosa Acinar Cell	Hyperplasia Adenoma Atrophy Leukemia Mononuclear	Mild Minimal

[Adenoma TGLS = 2-21]

* Pituitary Gland	Pars Distalis Pars Distalis Pars Intermed Pars Nervosa	Adenoma Angiectasis Angiectasis Hyperplasia	Mild Moderate Minimal
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[Adenoma TGLS = 9-1]

* Skin		Keratoacanthoma	
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[Keratoacanthoma TGLS = 8-24]

* Spleen		Fibrosis Leukemia Mononuclear Pigmentation	Moderate Mild
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[Fibrosis TGLS = 3-22]

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

PRIMARY CAUSE OF DEATH

-

Animal Note: HYPERTROPHIC, BASOPHILIC FOCI IN PAROTID SALIVARY GLAND;

Animal Note: NOT CODED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 708

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-48233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
		Vacuolization Cytoplasmic	Diffuse, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Fibrous Osteodystrophy	Minimal
* Brain		Compression	
		Hydrocephalus	Mild
[Compression TGLS = 9-1-1]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 6-23]			
* Kidney	Renal Tubule	Hyperplasia	Minimal
	Transit Epithe	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 7-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 10-24]			
* Lymph Node, Mandibular		Ectasia	Mild
		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 79	TRT#: 3	SEX: Male	DAY ON TEST: 708
	DOSE: 0.125%	DISP: Moribund Sacrifice	HISTO: 88-48233

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 2-21] [Hyperplasia TGLS = 1-8]		Exudate	
* Nose	Mucosa	Hyperplasia	Mild
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Moderate
[Adenoma TGLS = 8-1]		Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Fibrosis	Moderate
		Hyperplasia	Lymphoid, Mild
		Inflammation	Suppurative, Marked
[Fibrosis TGLS = 4-22] [Inflammation TGLS = 4-22]			
* Spleen		Pigmentation	Mild
* Testes	Seminif Tub	Atrophy	Mild
[Atrophy TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 80

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.125%

DISP: Terminal Sacrifice

HISTO: 88-48441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Moderate
* Bone		Fibrous Osteodystrophy	Moderate
* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum	Mucosa	Hyperplasia	Diffuse, Mild
[Hyperplasia TGLS = 7-4,8-24]			
* Kidney	Renal Tubule	Hyperplasia	Mild
	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Marked
Note: HYPERPLASTIC TUBULE SURROUNDS A CYSTIC SPACE			
[Nephropathy TGLS = 3-5,4-21]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
Note: FIBROSIS ASSOC. W/ BILE DUCT HYPERPLASIA NOT CODED			
[Basophilic Focus TGLS = 6-23]			
[Hyperplasia TGLS = 5-22]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Mammary Gland		Hyperplasia	Lobular, Mild
* Nose		Exudate	
		Fungus	
	Mucosa	Necrosis	Mild
* Pancreas	Acinar Cell	Adenoma	
		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 80	TRT#: 3 DOSE: 0.125%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: 88-48441
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ORGAN AND ACCOUNTABLE SITE STATUS

<ul style="list-style-type: none"> [Adenoma TGLS = 11-26] [Hyperplasia TGLS = 11-26] * Parathyroid Gland * Pituitary Gland * Preputial Gland * Skin [Hyperplasia TGLS = 12-27] * Spleen * Stomach, Forestomach [Fibrosis TGLS = 10-4] [Hyperplasia TGLS = 10-4] * Testes [Adenoma TGLS = 1-7] [Atrophy TGLS = 2-7] * Thyroid Gland 	<ul style="list-style-type: none"> Acinar Cell Pars Distalis Mucosa Interstit Cell Seminif Tub C Cell 	<ul style="list-style-type: none"> Hyperplasia Hyperplasia Hyperplasia Inflammation Acanthosis Hyperplasia Hematopoietic Cell Proliferation Pigmentation Fibrosis Hyperplasia Adenoma Atrophy Adenoma 	<ul style="list-style-type: none"> Focal, Moderate Moderate Moderate Chronic, Mild Minimal Basal Cell, Mild Mild Mild Moderate Moderate Marked
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 81

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.125%

DISP: Terminal Sacrifice

HISTO: 88-48442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Preputial Gland	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Basophilic Focus	
* Epididymis		Hypospermia	
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
		Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
		Granuloma	Minimal
		Mixed Cell Focus	
* Mammary Gland		Hyperplasia	Cystic, Minimal
		Hyperplasia	Lobular, Mild
[Hyperplasia TGLS = 1-8]			
[Hyperplasia TGLS = 1-8]			
* Pancreas	Acinar Cell	Adenoma	
[Adenoma TGLS = 7-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Prostate		Inflammation	Suppurative, Mild
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Moderate
* Spleen		Fibrosis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 81

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.125%

DISP: Terminal Sacrifice

HISTO: 88-48442

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Pigmentation

Mild

[Adenoma TGLS = 2-7]

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 699

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-48234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Bone Marrow | * Esophagus | * 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 |
| * Parathyroid Gland | * Preputial Gland | * Seminal Vesicle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---|----------------|----------------------|----------------------|
| * Adrenal Cortex | | Basophilic Focus | |
| * Adrenal Medulla | | Hyperplasia | Minimal |
| Blood Vessel | | Inflammation | Chronic Active, Mild |
| Note: INFLAMMATION IN TESTIS ON SLIDE 7 | | | |
| * Brain | | Compression | |
| [Compression TGLS = 6-1] | | | |
| * Epididymis | | Hypospermia | |
| * Heart | | Cardiomyopathy | Minimal |
| * Islets, Pancreatic | | Adenoma | |
| [Adenoma TGLS = 3-22] | | | |
| * Kidney | Transit Epithe | Hyperplasia | Mild |
| | | Mineralization | Minimal |
| | | Nephropathy | Marked |
| [Nephropathy TGLS = 4-5,7-23] | | | |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| | Lobules | Necrosis | Minimal |
| [Eosinophilic Focus TGLS = 8-24] | | | |
| * Mammary Gland | | Hyperplasia | Cystic, Marked |
| [Hyperplasia TGLS = 1-21] | | | |
| * Nose | | Exudate | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 82	TRT#: 3	SEX: Male	DAY ON TEST: 699
	DOSE: 0.125%	DISP: Moribund Sacrifice	HISTO: 88-48234

ORGAN AND ACCOUNTABLE SITE STATUS

		Foreign Body	Moderate
		Fungus	
	Mucosa	Hyperplasia	Moderate
	Mucosa	Metaplasia	Squamous, Minimal
* Pancreas	Acinar Cell	Adenoma	
		Atrophy	Marked
		Hyperplasia	Lymphoid, Mild
Note: TWO ACINAR CELL ADENOMAS ARE PRESENT			
[Adenoma TGLS = 3-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Nervosa	Hyperplasia	Mild
[Adenoma TGLS = 5-1]			
* Prostate		Fibrosis	Mild
		Inflammation	Suppurative, Marked
* Salivary Glands		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Mild
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Minimal
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 666

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-48235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Nose	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Bone		Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Small, Duodenum		Erosion	Minimal
	Mucosa	Hyperplasia	Diffuse, Mild
[Hyperplasia TGLS = 5-4]			
* Islets, Pancreatic		Adenoma	
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 3-5-1]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Ectasia	Mild
		Hyperplasia	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Ectasia	Moderate
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Moderate
	Acinar Cell	Cytoplasmic Alteration	Mild
* Parathyroid Gland		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 83	TRT#: 3 DOSE: 0.125%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 666 HISTO: 88-48235
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ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 6-3] * Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1] * Preputial Gland * Prostate		Inflammation Fibrosis Hyperplasia Inflammation	Chronic, Mild Moderate Lymphoid, Moderate Suppurative, Marked
[Fibrosis TGLS = 2-7] [Hyperplasia TGLS = 2-7] [Inflammation TGLS = 2-7] * Seminal Vesicle * Stomach, Forestomach	Mucosa	Inflammation Edema Hyperplasia Ulcer	Chronic, Mild Mild Mild Mild
* Testes * Thyroid Gland	Interstit Cell Follicle	Hyperplasia Cyst	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 348

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 87-45208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Testes
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum		Inflammation	Subacute, Mild
[Inflammation TGLS = 5-4,4-4]			
* Intestine Small, Jejunum		Inflammation	Subacute, Marked
[Inflammation TGLS = 4-4,5-4]			
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Granuloma	Mild
	Bile Duct	Hyperplasia	Mild
* Lung		Inflammation	Subacute, Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
* Pancreas		Atrophy	Mild
* Pituitary Gland		Inflammation	Suppurative, Marked
[Inflammation TGLS = 7-1]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 2-21]			
* Prostate		Inflammation	Suppurative, Moderate
* Spleen		Congestion	Moderate
		Pigmentation	Mild
* Stomach, Glandular		Ulcer	Moderate
* Urinary Bladder		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 348

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 87-45208

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: URETHRA CONTAINED MUCUS PLUG BUT NO LESION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 575

DOSE: 0.125%

DISP: Natural Death

HISTO: 88-46349

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Brain		Compression	
[Compression TGLS = 6-1]			
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
		Hyperplasia	Plasma Cell, Mild
* Lymph Node, Mandibular			
[Hyperplasia TGLS = 2-8]			
* Lymph Node, Mesenteric		Pigmentation	Moderate
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			
* Nose		Exudate	
		Foreign Body	Moderate
		Fungus	
	Mucosa	Hyperplasia	Mild
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Pigmentation	Mild
* Stomach, Forestomach	Mucosa	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 575

DOSE: 0.125%

DISP: Natural Death

HISTO: 88-46349

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 4-4]

Ulcer

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 639

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-47017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	Ear	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	Peripheral Nerve	* Salivary Glands
Skeletal Muscle	* Skin	Spinal Cord	* Stomach, Forestomach
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Pigmentation	Moderate
[Leukemia Mononuclear TGLS = 3-10]			
[Pigmentation TGLS = 3-10]			
* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Renal Tubule	Nephropathy Pigmentation	Mild Moderate
[Leukemia Mononuclear TGLS = 4-5]			
[Nephropathy TGLS = 4-5]			
[Pigmentation TGLS = 4-5]			
* Liver	Centrilobular Bile Duct	Atrophy Hyperplasia Leukemia Mononuclear	Mild Moderate
[Leukemia Mononuclear TGLS = 5-6]			
* Lung	Alveolar Epith	Hyperplasia Leukemia Mononuclear	Moderate
[Hyperplasia TGLS = 8-2-1]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 639

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-47017

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 7-3]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 7-3]		Leukemia Mononuclear	
* Nose		Exudate	
	Mucosa	Foreign Body	Mild
		Hyperplasia	Minimal
* Pancreas		Atrophy	Moderate
		Carcinoma	
Note: CARCINOMA APPEARS TO HAVE ARISEN FROM DUCTS [Carcinoma TGLS = 6-22]			
* Pituitary Gland	Pars Intermed	Cyst	
		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Hyperplasia	Lymphoid, Minimal
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
		Pigmentation	Mild
[Fibrosis TGLS = 2-21]			
[Leukemia Mononuclear TGLS = 1-6]			
* Stomach, Glandular		Erosion	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-4]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 624

DOSE: 0.125%

DISP: Natural Death

HISTO: 88-46871

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	
[Compression TGLS = 7-1]			
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Inflammation	Suppurative, Minimal
		Mineralization	Minimal
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
[Leukemia Mononuclear TGLS = 5-6]		Leukemia Mononuclear	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7]			
* Pancreas		Atrophy	Mild
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Prostate		Inflammation	Suppurative, Moderate
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 1-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 624

DOSE: 0.125%

DISP: Natural Death

HISTO: 88-46871

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

[Leukemia Mononuclear TGLS = 4-6]

Leukemia Mononuclear

* Testes

Interstit Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: 0.125%

DISP: Scheduled Sacrifice

HISTO: 88-45576

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-21]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 626

DOSE: 0.125%

DISP: Natural Death

HISTO: 88-46872

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Esophagus

* Intestine Small, Duodenum

* Nose

* Stomach, Forestomach

* Urinary Bladder

* Adrenal Medulla

* Intestine Large, Cecum

* Intestine Small, Ileum

* Parathyroid Gland

* Stomach, Glandular

* Bone

* Intestine Large, Colon

* Lymph Node, Mandibular

* Salivary Glands

* Thymus

* Bone Marrow

* Intestine Large, Rectum

* Lymph Node, Mesenteric

* Seminal Vesicle

* Trachea

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Brain

[Compression TGLS = 10-1]

* Epididymis

* Heart

* Islets, Pancreatic

* Kidney

[Nephropathy TGLS = 6-5]

* Liver

Bile Duct

Hepatocyte

[Hepatodiaphragmatic Nodule TGLS = 8-22]

[Leukemia Mononuclear TGLS = 7-6]

* Lung

* Mammary Gland

[Hyperplasia TGLS = 2-8]

* Pancreas

Acinar Cell

Pars Distalis

Compression

Hydrocephalus

Hypospermia

Cardiomyopathy

Adenoma

Nephropathy

Congestion

Hepatodiaphragmatic Nodule

Hyperplasia

Leukemia Mononuclear

Vacuolization Cytoplasmic

Infiltration Cellular

Hyperplasia

Atrophy

Cytoplasmic Alteration

Adenoma

Mild

Minimal

Mild

Moderate

Minimal

Moderate

Histiocyte, Minimal

Cystic, Minimal

Minimal

Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 89	TRT#: 3 DOSE: 0.125%	SEX: Male DISP: Natural Death	DAY ON TEST: 626 HISTO: 88-46872
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 9-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		Pigmentation	Mild
[Leukemia Mononuclear TGLS = 5-6]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 3-7]			
[Atrophy TGLS = 4-7]			
* Thyroid Gland		Ultimobranchial Cyst	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 679

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-48236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
		Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Intestine Small, Duodenum		Erosion	Minimal
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 3-21]			
* Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 4-5,5-5]			
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Hyperplasia	Focal, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-8]			
* Nose		Exudate	
		Foreign Body	Minimal
		Fungus	
	Mucosa	Metaplasia	Squamous, Minimal
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 90	TRT#: 3 DOSE: 0.125%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 679 HISTO: 88-48236
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 7-1]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Marked
* Spleen		Pigmentation	Mild
* Stomach, Forestomach		Edema	Moderate
	Mucosa	Hyperplasia	Moderate
		Ulcer	Moderate
[Ulcer TGLS = 9-23]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 603

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-46873

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Hyperostosis	Moderate
		Necrosis	Moderate
Note: TGL 1-21 CONTAINS HEMORRHAGE; NOT CODED			
[Hyperostosis TGLS = 1-21]			
[Necrosis TGLS = 1-21]			
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 12-23]			
* Kidney	Renal Tubule	Hyperplasia	Minimal
	Transit Epithe	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Marked
		Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6,7-6]			
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 603

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-46873

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node [Leukemia Mononuclear TGLS = 8-5,2-8,9-3]	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 8-5,2-8,9-3]		Ectasia Leukemia Mononuclear	Moderate
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 8-5,2-8,9-3]		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Nose		Exudate Foreign Body Fungus	Mild
* Pancreas	Mucosa	Hyperplasia Atrophy	Mild Moderate
* Parathyroid Gland [Hyperplasia TGLS = 10-3]		Hyperplasia	Minimal
* Pituitary Gland [Adenoma TGLS = 11-1]	Pars Distalis	Adenoma	
* Prostate		Hyperplasia Inflammation	Lymphoid, Mild Suppurative, Mild
* Spleen [Fibrosis TGLS = 4-22] [Leukemia Mononuclear TGLS = 3-6]		Fibrosis Leukemia Mononuclear	Mild
* Stomach, Forestomach [Ulcer TGLS = 13-24]		Edema Ulcer	Mild Mild
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia Ultimobranchial Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 92

TRT#: 3

SEX: Male

DAY ON TEST: 693

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-48237

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Preputial Gland	* Seminal Vesicle	* Skin	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 5-24]			
* Bone		Fibrous Osteodystrophy	Mild
* Brain		Compression	
[Compression TGLS = 10-1]			
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
		Inflammation	Chronic, Mild
Note: INFLAMM. INCLUDES SLIGHT MINERALIZATION; INVOLVES CORNEA			
[Cataract TGLS = 1-21]			
[Inflammation TGLS = 1-21]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyperplasia	Mild
	Transit Epithe	Hyperplasia	Moderate
		Inflammation	Suppurative, Minimal
		Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 6-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 92	TRT#: 3 DOSE: 0.125%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 693 HISTO: 88-48237
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ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Hyperplasia TGLS = 2-8]		Hyperplasia	Cystic, Moderate
* Nose		Exudate	
* Pancreas Acinar Cell Acinar Cell Note: ACINAR CELL HYPERPLASIA ALSO PRESENT ON SLIDE 22 Note: TWO ACINAR ADENOMAS PRESENT ON SLIDE 22 [Adenoma TGLS = 3-22]		Adenoma Hyperplasia	Focal, Mild
* Parathyroid Gland [Hyperplasia TGLS = 8-3]		Hyperplasia	Moderate
* Pituitary Gland [Adenoma TGLS = 9-1]	Pars Distalis	Adenoma	
* Prostate		Inflammation	Suppurative, Mild
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Moderate
* Spleen Note: PIGMENT IS ON SLIDE 23 [Fibrosis TGLS = 4-23]		Fibrosis Pigmentation	Moderate Moderate
* Stomach, Forestomach [Hyperplasia TGLS = 11-4-1]	Mucosa	Hyperplasia Inflammation	Marked Subacute, Mild
* Stomach, Glandular		Edema	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 596

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-46874

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Epididymis		Hypospermia	
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 6-5]			
* Liver		Basophilic Focus	
		Granuloma	Minimal
	Bile Duct	Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 7-23]		Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
* Nose		Exudate	
* Pancreas		Atrophy	Minimal
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-21]		Carcinoma	
[Carcinoma TGLS = 2-22]			
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 5-6]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
[Adenoma TGLS = 4-7-1]			
[Atrophy TGLS = 3-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 596

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-46874

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: 0.125%

DISP: Scheduled Sacrifice

HISTO: 88-45577

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- | | | | |
|--------------------------|---------------------------|-----------------------------------|-------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | Bile Duct | Hyperplasia | Mild |
| * Lymph Node, Mandibular | | Ectasia | Mild |
| * Nose | | Exudate | |
| | | Fungus | |
| | Mucosa | Hyperplasia | Mild |
| | Mucosa | Metaplasia | Squamous, Minimal |
| * Pancreas | | Atrophy | Mild |
| * Preputial Gland | | Necrosis | Mild |
| * Testes | Bilateral, Interstit Cell | Adenoma | |

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 619

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-46875

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Pigmentation	Mild
[Pigmentation TGLS = 7-10]			
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Mineralization	Minimal
		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Moderate
* Liver	Centrilobular	Atrophy	Mild
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Lobules	Necrosis	Mild
[Hepatocellular Adenoma TGLS = 9-22]			
[Leukemia Mononuclear TGLS = 8-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3]			
* Pancreas		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 95	TRT#: 3	SEX: Male	DAY ON TEST: 619
	DOSE: 0.125%	DISP: Moribund Sacrifice	HISTO: 88-46875

ORGAN AND ACCOUNTABLE SITE STATUS

Penis		Edema	Moderate
		Inflammation	Suppurative, Moderate
[Edema TGLS = 1-23]			
[Inflammation TGLS = 1-23,2-23]			
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Necrosis	Marked
[Necrosis TGLS = 11-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 3-21]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6-1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 720

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-48443

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Salivary Glands	* Seminal Vesicle
* Skin	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-10]			
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Moderate
* Epididymis		Hypospermia	
* Intestine Small, Duodenum		Erosion	Minimal
* Kidney	Transit Epithe	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
		Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 6-5]			
* Liver	Bile Duct	Clear Cell Focus	
		Hyperplasia	Minimal
		Leukemia Mononuclear	
	Kupffer Cell	Pigmentation	Minimal
[Clear Cell Focus TGLS = 7-22]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Moderate
Note: TGL 13 INCLUDES MILD FIBROSIS; NOT CODED			
[Hyperplasia TGLS = 12-2-1]			
[Infiltration Cellular TGLS = 13-2-2]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 720

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-48443

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-8]			
* Nose		Exudate	
	Mucosa	Hyperplasia	Mild
* Pancreas	Acinar Cell	Adenoma	
	Acinar Cell	Cytoplasmic Alteration	Marked
	Acinar Cell	Hyperplasia	Focal, Moderate
[Adenoma TGLS = 4-21]			
[Hyperplasia TGLS = 4-21]			
* Parathyroid Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 8-3]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 10-1,11-1]			
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
		Pigmentation	Mild
* Stomach, Forestomach	Mucosa	Hyperplasia	Marked
		Ulcer	Moderate
[Hyperplasia TGLS = 17-4,17-4-1]			
[Ulcer TGLS = 16-4-2,15-4,15-4-1]			
* Stomach, Glandular		Mineralization	Minimal
		Ulcer	Mild
[Ulcer TGLS = 16-4-2,15-4,15-4-1]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
[Adenoma TGLS = 3-7]			
[Atrophy TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 651

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-48238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

Blood Vessel		Inflammation	Chronic Active, Mild
Note: INFLAMMATION IS ON SLIDE 7 IN TESTIS			
* Bone		Fibrous Osteodystrophy	Mild
* Epididymis		Hypospermia	
* Kidney		Hydronephrosis	Mild
	Transit Epithe	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
		Nephropathy	Marked
			[Hydronephrosis TGLS = 6-5]
			[Nephropathy TGLS = 5-5]
* Liver		Basophilic Focus	
Lymph Node	Mediastinal	Hemorrhage	Moderate
			[Hemorrhage TGLS = 10-3]
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
			[Hyperplasia TGLS = 1-8]
* Nose		Exudate	
		Foreign Body	Mild
	Mucosa	Hyperplasia	Moderate
		Hyperplasia	Mild
* Parathyroid Gland			
			[Hyperplasia TGLS = 11-3]
* Preputial Gland		Ectasia	Moderate
		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:23
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 97	TRT#: 3 DOSE: 0.125%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 651 HISTO: 88-48238
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ORGAN AND ACCOUNTABLE SITE STATUS

[Ectasia TGLS = 2-8] [Inflammation TGLS = 2-8]			
* Prostate		Corpora Amylacea	Mild
* Spleen		Pigmentation	Mild
* Stomach, Forestomach		Edema	Moderate
	Mucosa	Hyperplasia	Moderate
		Perforation	
		Ulcer	Marked
[Perforation TGLS = 7-4,8-4-1] [Ulcer TGLS = 7-4]			
* Testes	Interstit Cell Seminif Tub Interstit Cell	Adenoma Atrophy Hyperplasia	Marked Mild
[Adenoma TGLS = 3-7] [Atrophy TGLS = 4-7]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:23

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.125%

DISP: Terminal Sacrifice

HISTO: 88-48444

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Inflammation	Chronic Active, Mild
Note: INFLAMMATION IN TESTIS ON SLIDE 7			
* Bone		Fibrous Osteodystrophy	Mild
* Epididymis		Hypospermia	
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 5-22]			
* Kidney	Renal Tubule	Adenoma	
	Transit Epithe	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
		Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 7-5,8-24]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Hyperplasia	Lymphoid, Moderate
		Inflammation	Suppurative, Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			
Mesentery		Hemorrhage	Moderate
	Fat	Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 98	TRT#: 3 DOSE: 0.125%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: 88-48444
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ORGAN AND ACCOUNTABLE SITE STATUS

<p>[Hemorrhage TGLS = 2-21] [Necrosis TGLS = 2-21]</p> <p>* Nose</p>		<p>Exudate Fungus Hyperplasia</p>	
	<p>Mucosa Mucosa</p>	<p>Metaplasia Atrophy Hyperplasia</p>	<p>Mild Squamous, Mild Minimal Moderate</p>
<p>* Pancreas * Parathyroid Gland * Pituitary Gland</p>	<p>Pars Distalis Pars Distalis</p>	<p>Adenoma Cyst</p>	
<p>[Adenoma TGLS = 9-1] * Preputial Gland * Prostate</p>		<p>Inflammation Inflammation</p>	<p>Chronic, Mild Suppurative, Moderate</p>
<p>[Inflammation TGLS = 4-7] * Salivary Glands * Spleen</p>	<p>Acinar Cell</p>	<p>Cytoplasmic Alteration Fibrosis Pigmentation</p>	<p>Moderate Marked Mild</p>
<p>[Fibrosis TGLS = 6-23] * Stomach, Glandular * Testes</p>	<p>Interstit Cell Seminif Tub</p>	<p>Mineralization Adenoma Atrophy</p>	<p>Minimal Marked</p>
<p>[Adenoma TGLS = 3-7] PRIMARY CAUSE OF DEATH</p>	<p>-</p>		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: 0.125%

DISP: Scheduled Sacrifice

HISTO: 88-45578

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
		[Cataract TGLS = 1-21]	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Hemorrhage	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 2-1]	
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate		Inflammation	Suppurative, Mild
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 692

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-48239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|---------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Bone Marrow | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Nose |
| * Parathyroid Gland | * Preputial Gland | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-----------------------------|--------------------------------|-----------------------------------|-----------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| * Bone | | Fibrous Osteodystrophy | Minimal |
| | | Hyperostosis | Moderate |
| | [Hyperostosis TGLS = 9-22] | | |
| * Brain | | Compression | |
| | | Hydrocephalus | Mild |
| | | Mineralization | Moderate |
| | [Mineralization TGLS = 10-1] | | |
| * Epididymis | | Hypospermia | |
| * Heart | | Cardiomyopathy | Minimal |
| * Intestine Small, Duodenum | | Ulcer | Mild |
| * Kidney | Transit Epithe | Hyperplasia | Minimal |
| | | Nephropathy | Marked |
| | [Nephropathy TGLS = 4-5] | | |
| * Liver | Hepatocyte | Degeneration | Cystic, Mild |
| | | Vacuolization Cytoplasmic | Marked |
| | | Hemorrhage | Minimal |
| * Lymph Node, Mesenteric | | | |
| | [Hemorrhage TGLS = 6-5-1] | | |
| * Mammary Gland | | Hyperplasia | Cystic, Minimal |
| | [Hyperplasia TGLS = 1-8] | | |
| * Pancreas | Acinar Cell | Cytoplasmic Alteration | Marked |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLS = 11-1] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 692

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-48239

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Ectasia	Mild
		Inflammation	Suppurative, Moderate
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach		Fibrosis	Moderate
	Mucosa	Hyperplasia	Moderate
		Ulcer	Marked
	[Ulcer TGLS = 12-4-1]		
* Stomach, Glandular		Erosion	Mild
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild
	[Adenoma TGLS = 3-7]		
	[Atrophy TGLS = 2-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 101

TRT#: 3

SEX: Male

DAY ON TEST: 395

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-45370

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Compression Hydrocephalus	Mild
[Compression TGLS = 7-1]			
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hepatodiaphragmatic Nodule Hyperplasia	Minimal
[Hepatodiaphragmatic Nodule TGLS = 5-22]			
* Lymph Node, Mandibular		Hemorrhage Hyperplasia	Minimal Plasma Cell, Mild
[Hemorrhage TGLS = 2-8]			
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1-1]			
* Preputial Gland		Inflammation	Chronic, Minimal
[Inflammation TGLS = 3-8]			
* Prostate		Inflammation	Suppurative, Moderate
[Inflammation TGLS = 4-7]			
* Spleen		Pigmentation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 102

TRT#: 3

SEX: Male

DAY ON TEST: 672

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-48240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
		Vacuolization Cytoplasmic	Diffuse, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Renal Tubule	Nephropathy	Moderate
		Pigmentation	Mild
	[Nephropathy TGLS = 2-5]		
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	Kupffer Cell	Pigmentation	Moderate
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Fibrosis	Moderate
* Nose		Exudate	
		Foreign Body	Mild
	Mucosa	Hyperplasia	Mild
* Pancreas	Acinar Cell	Hyperplasia	Focal, Mild
		Leukemia Mononuclear	

Note: FOCAL HYPERPLASIA IS ON SLIDE 4

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 102	TRT#: 3 DOSE: 0.125%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 672 HISTO: 88-48240
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis Pars Intermed Pars Distalis	Adenoma Cyst Hyperplasia	Minimal
* Prostate		Corpora Amylacea Inflammation	Mild Suppurative, Mild
* Spleen	Lymph Follic Red Pulp	Atrophy Atrophy Fibrosis Pigmentation	Marked Marked Moderate Mild
[Fibrosis TGLS = 4-21]			
* Stomach, Forestomach	Mucosa	Edema Hyperplasia Ulcer	Moderate Mild Moderate
[Ulcer TGLS = 5-4-1]			
* Stomach, Glandular		Ulcer	Mild
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 103

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: 0.125%

DISP: Scheduled Sacrifice

HISTO: 88-45579

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-21]			
* Nose		Exudate	
		Foreign Body	Mild
		Fungus	
	Mucosa	Metaplasia	Squamous, Mild
* Pancreas		Atrophy	Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Hyperplasia	Lymphoid, Minimal
		Inflammation	Suppurative, Mild
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 104

TRT#: 3

SEX: Male

DAY ON TEST: 602

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-46876

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
		Vacuolization Cytoplasmic	Diffuse, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	
	[Compression TGLS = 7-1-1]		
* Epididymis		Atypia Cellular	
* Intestine Small, Ileum	Mucosa	Hyperplasia	Diffuse, Mild
	[Hyperplasia TGLS = 9-4-1,8-4,8-4-1,5-4]		
* Intestine Small, Jejunum	Mucosa	Hyperplasia	Diffuse, Moderate
	[Hyperplasia TGLS = 9-4-1,8-4,8-4-1,5-4]		
* Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Marked
	[Nephropathy TGLS = 3-5]		
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Vacuolization Cytoplasmic TGLS = 4-6]		
* Mammary Gland		Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLS = 1-8]		
* Pancreas		Atrophy	Minimal
	Acinar Cell	Cytoplasmic Alteration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-1]		
* Prostate		Hyperplasia	Lymphoid, Mild
		Inflammation	Suppurative, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 104	TRT#: 3 DOSE: 0.125%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 602 HISTO: 88-46876
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Moderate
* Stomach, Forestomach	Mucosa	Hyperplasia Ulcer	Moderate Marked
[Ulcer TGLS = 11-4,11-21]			
* Stomach, Glandular	Epithelium	Dilatation Erosion	Mild Moderate
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Moderate
[Adenoma TGLS = 2-7,10-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 105

TRT#: 3

SEX: Male

DAY ON TEST: 605

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-46877

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|----------------------------|----------------------|--------------------------|
| * Bone | * Brain | * Esophagus | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Mammary Gland |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--|----------------------------|--|------------------------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule
Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 7-10] | | | |
| * Adrenal Medulla | | Hyperplasia | Minimal |
| * Bone Marrow | | Leukemia Mononuclear
Myelofibrosis | Mild |
| * Epididymis | | Atypia Cellular | |
| * Heart | | Leukemia Mononuclear | |
| * Intestine Large, Cecum | | Leukemia Mononuclear | |
| * Intestine Small, Duodenum | | Leukemia Mononuclear | |
| * Intestine Small, Ileum | | Leukemia Mononuclear | |
| * Kidney | Transit Epithe | Hyperplasia
Leukemia Mononuclear
Mineralization
Nephropathy | Minimal

Minimal
Moderate |
| [Leukemia Mononuclear TGLS = 8-5,9-21] | | | |
| [Nephropathy TGLS = 8-5] | | | |
| * Liver | Centrilobular
Bile Duct | Atrophy
Hyperplasia
Leukemia Mononuclear | Moderate
Moderate |
| | Kupffer Cell | Pigmentation
Thrombosis | Mild |
| [Leukemia Mononuclear TGLS = 10-6] | | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 105 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 605
DOSE: 0.125% **DISP:** Moribund Sacrifice **HISTO:** 88-46877

ORGAN AND ACCOUNTABLE SITE STATUS

	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-8,11-22,5-7-1,12-23]		
	[Leukemia Mononuclear TGLS = 1-8,11-22,5-7-1,12-23]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-8,11-22,5-7-1,12-23]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-8,11-22,5-7-1,12-23]		
* Nose		Exudate	
		Foreign Body	Mild
		Fungus	
	Mucosa	Hyperplasia	Moderate
	Mucosa	Metaplasia	Squamous, Mild
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Adenoma TGLS = 14-1]		
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-7]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-7]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 13-3]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 106

TRT#: 3

SEX: Male

DAY ON TEST: 708

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-48241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Lymph Node, Mesenteric	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone		Fibrous Osteodystrophy	Minimal
* Brain		Compression	
		Hydrocephalus	Mild
Note: SMALL AMOUNT OF PIGMENT IN AREA OF COMPRESSION; NOT CODED [Compression TGLS = 13-1]			
* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum	Mucosa	Hyperplasia	Diffuse, Mild
[Hyperplasia TGLS = 11-4,10-4]			
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 6-23]			
* Kidney	Renal Tubule	Adenoma	
	Transit Epithe	Hyperplasia	Mild
		Mineralization	Minimal
		Nephropathy	Marked
Note: ADENOMA ON SLIDE 24 & IS IN AN EARLY STAGE [Nephropathy TGLS = 7-5,8-24]			
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Marked
[Hepatodiaphragmatic Nodule TGLS = 9-25]			
* Lung		Inflammation	Subacute, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
[Hyperplasia TGLS = 4-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 106

TRT#: 3

SEX: Male

DAY ON TEST: 708

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-48241

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Hyperplasia TGLS = 3-8]		Hyperplasia	Cystic, Mild
* Nose	Mucosa	Hyperplasia	Minimal
* Pancreas [Hyperplasia TGLS = 6-23]	Acinar Cell Acinar Cell	Cytoplasmic Alteration Hyperplasia	Mild Focal, Moderate
* Pituitary Gland [Adenoma TGLS = 12-1]	Pars Distalis	Adenoma	
* Prostate		Fibrosis Inflammation	Mild Suppurative, Moderate
* Seminal Vesicle		Inflammation	Suppurative, Moderate
* Skin Note: SEBACEOUS GL HYPERPLASIA & INFLAMM. ASSOC. W/ TGL 2-22 [Squamous Cell Papilloma TGLS = 1-21,2-22]		Squamous Cell Papilloma	
* Stomach, Forestomach Note: FORESTOMACH ULCERATION ALSO ON SLIDE 4 [Ulcer TGLS = 14-26]	Mucosa	Edema Hyperplasia Ulcer	Moderate Moderate Marked
* Stomach, Glandular		Inflammation	Chronic, Mild
* Testes [Atrophy TGLS = 5-7]	Seminif Tub Interstit Cell	Atrophy Hyperplasia	Moderate Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 107

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: 0.125%

DISP: Scheduled Sacrifice

HISTO: 88-45580

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Nose		Exudate	
		Foreign Body	Moderate
	Mucosa	Hyperplasia	Mild
* Pancreas		Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Spleen		Developmental Malformation	
	[Developmental Malformation TGLS = 1-21]		
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 108

TRT#: 3

SEX: Male

DAY ON TEST: 720

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-48445

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung | * Nose |
| * Parathyroid Gland | * Preputial Gland | * Salivary Glands | * Seminal Vesicle |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--|---------------|----------------------------|----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Focal, Minimal |
| * Brain | | Compression | |
| [Compression TGLS = 9-1,9-1-1] | | | |
| * Epididymis | | Hypospermia | |
| * Heart | | Cardiomyopathy | Minimal |
| * Islets, Pancreatic | | Adenoma | |
| [Adenoma TGLS = 5-22] | | | |
| * Kidney | Renal Tubule | Hyperplasia | Moderate |
| | | Inflammation | Suppurative, Minimal |
| | | Mineralization | Minimal |
| | | Nephropathy | Moderate |
| Note: ADENOMA IS IN AN EARLY STAGE | | | |
| [Nephropathy TGLS = 6-5] | | | |
| * Liver | Bile Duct | Hepatodiaphragmatic Nodule | |
| | | Hyperplasia | Minimal |
| | | Inflammation | Subacute, Minimal |
| [Hepatodiaphragmatic Nodule TGLS = 7-23] | | | |
| * Lymph Node, Mandibular | | Hyperplasia | Plasma Cell, Mild |
| * Lymph Node, Mesenteric | | Pigmentation | Mild |
| * Mammary Gland | | Hyperplasia | Cystic, Mild |
| [Hyperplasia TGLS = 1-8] | | | |
| * Pancreas | | Atrophy | Moderate |
| * Pituitary Gland | Pars Distalis | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 108	TRT#: 3 DOSE: 0.125%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 720 HISTO: 88-48445
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 8-1]			
* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-21]			
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach	Mucosa	Hyperplasia	Mild
		Ulcer	Moderate
[Ulcer TGLS = 10-4-1]			
* Testes	Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
[Adenoma TGLS = 4-7]			
[Atrophy TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 109

TRT#: 3

SEX: Male

DAY ON TEST: 512

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-45773

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Brain		Compression	
[Compression TGLS = 6-1-1]			
* Kidney	Transit Epithe	Hyperplasia Inflammation Mineralization Nephropathy	Mild Suppurative, Minimal Minimal Marked
[Nephropathy TGLS = 2-5-1]			
* Liver	Hepatocyte	Vacuolization Cytoplasmic Hyperplasia	Moderate Cystic, Mild
* Mammary Gland			
[Hyperplasia TGLS = 1-21]			
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Prostate		Inflammation	Suppurative, Moderate
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach	Mucosa	Hyperplasia Ulcer	Marked Marked
[Ulcer TGLS = 9-4,9-4-1]			
* Stomach, Glandular		Inflammation	Chronic, Mild
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 110

TRT#: 3

SEX: Male

DAY ON TEST: 630

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-46990

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Parathyroid Gland	* Preputial Gland	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Urinary Bladder	

INSUFFICIENT TISSUE

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Int Sm Ileum			
Note: MUCUS PLUG IN LUMEN OF ILEUM; NOT CODED			
* Islets, Pancreatic		Adenoma	
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
	[Nephropathy TGLS = 3-5]		
* Liver		Degeneration	Cystic, Mild
		Hematopoietic Cell Proliferation	Minimal
		Hepatodiaphragmatic Nodule	
	Kupffer Cell	Pigmentation	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 4-22]		
* Lung		Foreign Body	Moderate
		Inflammation	Suppurative, Marked
	[Inflammation TGLS = 6-2,6-2-1]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Mammary Gland		Hyperplasia	Cystic, Mild
	[Hyperplasia TGLS = 1-8]		
* Nose		Exudate	
		Foreign Body	Marked
		Fungus	
	Mucosa	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 110	TRT#: 3 DOSE: 0.125%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 630 HISTO: 88-46990
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Minimal
* Pituitary Gland [Adenoma TGLS = 8-1]	Pars Distalis	Adenoma	
* Prostate		Corpora Amylacea Inflammation	Mild Suppurative, Mild
* Salivary Glands		Atrophy	Mild
* Spleen		Fibrosis Hematopoietic Cell Proliferation Pigmentation	Mild Mild Mild
[Fibrosis TGLS = 2-21]			
* Stomach, Forestomach [Hyperplasia TGLS = 9-24]	Mucosa	Hyperplasia	Moderate
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Ectopic Thyroid	
* Thyroid Gland [Carcinoma TGLS = 7-3]	C Cell	Carcinoma	
* Trachea	Mucosa	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 111

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: 0.125%

DISP: Scheduled Sacrifice

HISTO: 88-45581

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Epididymis		Atypia Cellular	
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 2-2]			
* Lymph Node, Mandibular		Hemorrhage	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Suppurative, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 112

TRT#: 3

SEX: Male

DAY ON TEST: 624

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-46878

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign Pheochromocytoma Malignant	
	[Pheochromocytoma Malignant TGLS = 6-22]		
* Bone		Fibrous Osteodystrophy	Minimal
Eye	Retina	Atrophy Cataract	Marked Marked
	[Cataract TGLS = 1-21]		
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia Inflammation Mineralization Nephropathy	Mild Suppurative, Minimal Minimal Marked
	[Nephropathy TGLS = 7-5]		
* Liver	Bile Duct	Degeneration Hyperplasia Leukemia Mononuclear	Cystic, Minimal Moderate
	[Leukemia Mononuclear TGLS = 9-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Ectasia Hyperplasia	Mild Plasma Cell, Moderate
	[Ectasia TGLS = 3-8]		
	[Hyperplasia TGLS = 3-8]		
* Mammary Gland		Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 112	TRT#: 3	SEX: Male	DAY ON TEST: 624
	DOSE: 0.125%	DISP: Moribund Sacrifice	HISTO: 88-46878

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-8]			
* Nose		Exudate	
		Foreign Body	Moderate
		Fungus	
	Mucosa	Hyperplasia	Moderate
	Mucosa	Metaplasia	Squamous, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
		Pigmentation	Mild
[Leukemia Mononuclear TGLS = 5-6]			
* Testes	Seminif Tub	Atrophy	Moderate
[Atrophy TGLS = 4-7]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 113

TRT#: 3

SEX: Male

DAY ON TEST: 562

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-46350

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Brain		Compression	
		Hydrocephalus	Mild
	[Compression TGLS = 3-1-1]		
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Subacute, Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Subacute, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-1]		
* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Fibrosarcoma	
	[Fibrosarcoma TGLS = 1-21]		
* Spleen		Pigmentation	Mild
* Stomach, Glandular	Epithelium	Dilatation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 113

TRT#: 3

SEX: Male

DAY ON TEST: 562

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-46350

ORGAN AND ACCOUNTABLE SITE STATUS

Inflammation

Chronic, Mild

[Dilatation TGLS = 4-4-1]

[Inflammation TGLS = 4-4,4-4-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 114

TRT#: 3

SEX: Male

DAY ON TEST: 569

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-46351

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	
		Hydrocephalus	Mild
[Compression TGLS = 4-4-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Inflammation	Suppurative, Minimal
		Mineralization	Minimal
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Lobules	Necrosis	Mild
	Kupffer Cell	Pigmentation	Minimal
		Hyperplasia	Cystic, Moderate
* Mammary Gland			
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Prostate		Hyperplasia	Lymphoid, Minimal
		Inflammation	Suppurative, Moderate
* Spleen		Leukemia Mononuclear	
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 114

TRT#: 3

SEX: Male

DAY ON TEST: 569

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-46351

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-6]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 115

TRT#: 3

SEX: Male

DAY ON TEST: 656

DOSE: 0.125%

DISP: Natural Death

HISTO: 88-48242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|---------------------------|----------------------|--------------------------|
| * Adrenal Medulla | * Brain | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Islets, Pancreatic | * Lymph Node, Mesenteric |
| * Mammary Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Thyroid Gland | * Trachea | |

MISSING

- * Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

- | | | | |
|------------------|----------------|--------------------------------------|----------------------|
| * Adrenal Cortex | | Hyperplasia | Focal, Minimal |
| * Bone | | Fibrous Osteodystrophy | Mild |
| * Bone Marrow | | Leukemia Mononuclear | |
| | | Myelofibrosis | Mild |
| * Epididymis | | Hypospermia | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | Transit Epithe | Hyperplasia | Mild |
| | | Mineralization | Minimal |
| | | Nephropathy | Marked |
| | | [Nephropathy TGLS = 3-5] | |
| * Liver | Bile Duct | Basophilic Focus | |
| | | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| | Kupffer Cell | Pigmentation | Mild |
| | Hepatocyte | Vacuolization Cytoplasmic | Mild |
| * Lung | | Edema | Moderate |
| | | Hyperplasia | Lymphoid, Mild |
| | | Infiltration Cellular | Histiocyte, Moderate |
| | | [Infiltration Cellular TGLS = 4-2] | |
| * Nose | | Exudate | |
| | | Foreign Body | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 115	TRT#: 3	SEX: Male	DAY ON TEST: 656
	DOSE: 0.125%	DISP: Natural Death	HISTO: 88-48242

ORGAN AND ACCOUNTABLE SITE STATUS

	Mucosa	Fungus Hyperplasia Leukemia Mononuclear	Moderate
* Pancreas		Hyperplasia	Mild
* Parathyroid Gland		Ectasia	Moderate
* Preputial Gland			
[Ectasia TGLS = 1-8]			
* Prostate		Inflammation	Suppurative, Moderate
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-6-1]		Pigmentation	Mild
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 116

TRT#: 3

SEX: Male

DAY ON TEST: 584

DOSE: 0.125%

DISP: Natural Death

HISTO: 88-46392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
	Bilateral	Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Minimal
* Epididymis		Atypia Cellular	
* Intestine Large, Cecum		Dilatation	Moderate
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Nephropathy	Marked
	[Nephropathy TGLS = 6-5]		
* Liver	Centrilobular	Atrophy	Mild
		Congestion	Moderate
		Hematopoietic Cell Proliferation	Moderate
	Hepatocyte	Leukemia Mononuclear	
	[Hematopoietic Cell Proliferation TGLS = 7-6]	Vacuolization Cytoplasmic	Mild
	[Leukemia Mononuclear TGLS = 7-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Ectasia	Moderate
		Leukemia Mononuclear	
	[Ectasia TGLS = 1-8]		
	[Leukemia Mononuclear TGLS = 1-8]		
* Nose		Exudate	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 116

TRT#: 3

SEX: Male

DAY ON TEST: 584

DOSE: 0.125%

DISP: Natural Death

HISTO: 88-46392

ORGAN AND ACCOUNTABLE SITE STATUS

	Mucosa	Fungus	
	Mucosa	Hyperplasia	Mild
	Mucosa	Metaplasia	Squamous, Mild
* Preputial Gland		Necrosis	Moderate
		Ectasia	Moderate
		Inflammation	Suppurative, Mild
[Ectasia TGLS = 2-8-1]			
[Inflammation TGLS = 2-8-1]			
* Prostate		Inflammation	Suppurative, Mild
* Skin		Acanthosis	Mild
		Exudate	
	Subcut Tiss	Fibroma	
[Fibroma TGLS = 3-21]			
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
		Necrosis	Moderate
[Leukemia Mononuclear TGLS = 5-22]			
[Necrosis TGLS = 5-22]			
* Stomach, Forestomach		Erosion	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 117

TRT#: 3

SEX: Male

DAY ON TEST: 694

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-48243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Hypospermia	
* Heart		Leukemia Mononuclear	
* Kidney	Transit Epithe	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 7-5-1]			
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Kupffer Cell	Pigmentation	Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
		Leukemia Mononuclear	
[Hyperplasia TGLS = 1-8]			
[Leukemia Mononuclear TGLS = 8-5,1-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-5,1-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-21]			
* Nose		Exudate	
		Foreign Body	Mild
		Fungus	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 117	TRT#: 3 DOSE: 0.125%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 694 HISTO: 88-48243
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Mucosa	Hyperplasia	Mild
* Pituitary Gland	Mucosa	Metaplasia	Squamous, Minimal
		Atrophy	Moderate
	Pars Distalis	Hyperplasia	Mild
* Prostate		Leukemia Mononuclear	
* Spleen		Inflammation	Suppurative, Minimal
	[Leukemia Mononuclear TGLS = 5-6]	Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	[Adenoma TGLS = 2-7]		
	[Atrophy TGLS = 3-7]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-3]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 118

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: 0.125%

DISP: Scheduled Sacrifice

HISTO: 88-45582

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Epididymis		Atypia Cellular	
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Liver	Bile Duct	Hyperplasia	Mild
* Nose		Foreign Body	Mild
	Mucosa	Hyperplasia	Mild
* Pancreas		Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 119

TRT#: 3

SEX: Male

DAY ON TEST: 666

DOSE: 0.125%

DISP: Moribund Sacrifice

HISTO: 88-48244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Focal, Moderate
* Adrenal Medulla		Leukemia Mononuclear Pheochromocytoma Benign	
* Brain		Compression Hydrocephalus	Mild
[Compression TGLS = 11-1-1]			
* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 5-22]			
* Kidney	Transit Epithe	Hyperplasia Mineralization Nephropathy	Mild Minimal Moderate
[Nephropathy TGLS = 6-5]			
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear Squamous Cell Carcinoma	Minimal
* Lung			
[Squamous Cell Carcinoma TGLS = 9-2-1]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-8]			
Mesentery		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 119	TRT#: 3 DOSE: 0.125%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 666 HISTO: 88-48244
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: MESOTHELIO MAL ALSO ON SLIDE 7
[Mesothelioma Malignant TGLS = 4-21]

* Pituitary Gland [Adenoma TGLS = 10-1]	Pars Distalis	Adenoma	
* Preputial Gland [Inflammation TGLS = 2-8]		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Spleen		Leukemia Mononuclear Pigmentation	Mild
* Stomach, Forestomach	Mucosa	Fibrosis Hyperplasia Ulcer	Marked Moderate Moderate
[Fibrosis TGLS = 7-4-1] [Ulcer TGLS = 7-4-1]			
* Testes [Adenoma TGLS = 3-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 120

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.125%

DISP: Terminal Sacrifice

HISTO: 88-48446

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Pigmentation Vacuolization Cytoplasmic	Moderate Diffuse, Moderate
[Leukemia Mononuclear TGLS = 5-10,5-10]			
[Pigmentation TGLS = 5-10]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-10,5-10]			
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Adenoma Inflammation Nephropathy Pigmentation	Suppurative, Minimal Moderate Moderate
[Adenoma TGLS = 6-21]	Renal Tubule		
[Nephropathy TGLS = 7-5]			
* Liver	Centrilobular	Atrophy Clear Cell Focus	Mild
	Bile Duct	Hyperplasia Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 120

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.125%

DISP: Terminal Sacrifice

HISTO: 88-48446

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-5]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-5]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			
* Nose	Mucosa	Hyperplasia	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 10-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Corpora Amylacea	Mild
		Inflammation	Suppurative, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
[Adenoma TGLS = 2-7]			
[Atrophy TGLS = 3-7]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 121

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 88-45583

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- | | | | |
|-------------------------------|---------------------------|------------------|-------------------|
| * Adrenal Cortex | | Hyperplasia | Focal, Minimal |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Granuloma | Mild |
| | Bile Duct | Hyperplasia | Minimal |
| * Lymph Node, Mandibular | | Hyperplasia | Plasma Cell, Mild |
| * Nose | | Exudate | |
| | | Foreign Body | Mild |
| | Mucosa | Metaplasia | Squamous, Mild |
| * Pancreas | | Atrophy | Moderate |
| * Prostate | | Inflammation | Suppurative, Mild |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| [Adenoma TGLS = 1-21,1-7-1] | | | |
| * Urinary Bladder | | Angiectasis | Mild |

PRIMARY CAUSE OF DEATH -

Animal Note: CONSIDERED NORMAL STRUCTURE

Animal Note: PALE STAINING CELLS IN PARS DISTALIS OF PITUITARY GLAND;

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 603

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46889

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Renal Tubule	Cytoplasmic Alteration	Moderate
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Moderate
[Nephropathy TGLS = 3-5]			
* Liver	Centrilobular	Atrophy	Moderate
		Basophilic Focus	
		Degeneration	Cystic, Mild
		Hemorrhage	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Nose		Exudate	
		Fungus	
	Mucosa	Hyperplasia	Mild
* Pancreas		Atrophy	Moderate
* Preputial Gland		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 122	TRT#: 5	SEX: Male	DAY ON TEST: 603
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 88-46889

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		Pigmentation	Mild
	[Leukemia Mononuclear TGLS = 2-6-1]		
* Testes	Interstit Cell	Adenoma	
	Note: ADENOMA PRESENT ONLY IN ONE TESTIS		
	[Adenoma TGLS = 1-7]		

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 528

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-45818

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Brain		Compression	
		Hydrocephalus	Mild
[Compression TGLS = 3-1]			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
Note: MINERALIZATION IS IN PAPILLA			
* Liver		Granuloma	Minimal
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mesenteric		Hemorrhage	Moderate
		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 528

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-45818

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 679

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-48245

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Parathyroid Gland	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
		Vacuolization Cytoplasmic	Focal, Mild
		Hyperplasia	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Compression	
* Brain			
[Compression TGLS = 9-1-1]			
* Epididymis		Hypospermia	
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 10-23]			
* Kidney	Transit Epithe	Hyperplasia	Mild
		Mineralization	Mild
		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Moderate
[Nephropathy TGLS = 6-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	Kupffer Cell	Pigmentation	Moderate
[Leukemia Mononuclear TGLS = 7-6]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mandibular		Ectasia	Mild
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 124	TRT#: 5 DOSE: 0.25%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 679 HISTO: 88-48245
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ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS INCLUDES GRANULOMATOUS INFLAMM.; NOT CODED [Necrosis TGLS = 3-21]			
* Nose		Exudate Fungus	
	Mucosa	Hyperplasia	Moderate
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Moderate
* Spleen		Fibrosis Leukemia Mononuclear	Marked
[Fibrosis TGLS = 5-22] [Leukemia Mononuclear TGLS = 4-6]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 125

TRT#: 5

SEX: Male

DAY ON TEST: 569

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

* Skin

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Brain		Compression	
		Hydrocephalus	Mild
[Compression TGLS = 3-1-1]			
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-8]			
* Nose		Exudate	
		Fungus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Prostate		Inflammation	Suppurative, Moderate
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	Follicle	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 126

TRT#: 5

SEX: Male

DAY ON TEST: 553

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46353

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia	Focal, Mild
		Vacuolization Cytoplasmic	Focal, Mild
* Brain		Compression Hydrocephalus	Mild
[Compression TGLS = 6-1-1]			
* Epididymis		Hypospermia	
* Kidney	Renal Tubule	Hyperplasia Mineralization Nephropathy	Oncocytic, Minimal Minimal Moderate
[Nephropathy TGLS = 3-5]			
* Liver	Kupffer Cell	Hepatodiaphragmatic Nodule Pigmentation	Minimal
[Hepatodiaphragmatic Nodule TGLS = 4-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-8,1-21]			
* Nose		Exudate Foreign Body Fungus	Mild
	Mucosa	Hyperplasia	Mild
* Pancreas		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 126

TRT#: 5
DOSE: 0.25%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 553
HISTO: 88-46353

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Pigmentation	Mild
* Testes [Atrophy TGLS = 2-7]	Seminif Tub	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 127

TRT#: 5

SEX: Male

DAY ON TEST: 623

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46890

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Epididymis		Atypia Cellular	
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
		Nephropathy	Moderate
	[Nephropathy TGLS = 5-5]		
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Inflammation	Subacute, Minimal
	[Angiectasis TGLS = 7-6]		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Marked
	[Hyperplasia TGLS = 2-8]		
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinar Cell	Hyperplasia	Focal, Moderate
	[Hyperplasia TGLS = 6-22]		
* Prostate		Corpora Amylacea	Mild
* Skin	Subcut Tiss	Fibrosarcoma	
	[Fibrosarcoma TGLS = 1-21]		
* Spleen		Leukemia Mononuclear	
		Pigmentation	Mild
	[Leukemia Mononuclear TGLS = 4-6]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 127	TRT#: 5	SEX: Male	DAY ON TEST: 623
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 88-46890

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 3-7]	Bilateral, Interstit Cell	Adenoma
* Thymus Zymbal's Gland [Carcinoma TGLS = 8-23]		Leukemia Mononuclear Carcinoma

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 128

TRT#: 5

SEX: Male

DAY ON TEST: 607

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46891

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 1-21]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Granuloma	Minimal
		Inflammation	Subacute, Minimal
* Lung		Congestion	Moderate
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Pigmentation	Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 343

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 87-45209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Testes
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain		Compression Hydrocephalus	Mild
[Compression TGLS = 3-1]			
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Lymphoid, Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Intermed	Adenoma	
[Adenoma TGLS = 2-1]			
* Prostate		Inflammation	Suppurative, Moderate
* Spleen		Pigmentation	Mild
* Stomach, Glandular		Ulcer	Mild
* Thyroid Gland		Infiltration Cellular	Histiocyte, Minimal

Note: HISTIOCYTIC CELLS CONTAINS BROWNISH PIGMENT

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 556

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46354

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* 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	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 4-23]			
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
		Mineralization	Mild
		Nephropathy	Moderate
[Nephropathy TGLS = 5-5]			
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-21]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-22]			
* Nose		Exudate	
		Foreign Body	Moderate
		Fungus	
	Mucosa	Hyperplasia	Marked
	Mucosa	Metaplasia	Squamous, Marked
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 130

TRT#: 5
DOSE: 0.25%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 556
HISTO: 88-46354

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Acinar Cell Pars Distalis	Hyperplasia Adenoma	Focal, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 7-24]			
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 131

TRT#: 5

SEX: Male

DAY ON TEST: 673

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-48246

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Minimal
* Kidney		Inflammation	Suppurative, Minimal
		Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
* Lymph Node, Mandibular		Ectasia	Mild
		Hyperplasia	Plasma Cell, Mild
* Nose		Exudate	
		Foreign Body	Mild
		Fungus	
	Mucosa	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Inflammation	Suppurative, Moderate
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder	Mucosa	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 132

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 88-45584

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- | | | | |
|---|---------------------------|-----------------------------------|----------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| * Kidney | | Mineralization | Mild |
| | | Nephropathy | Moderate |
| Note: THE MINERALIZATION IS IN THE PAPILLA | | | |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| * Pancreas | | Atrophy | Mild |
| * Preputial Gland | | Inflammation | Suppurative, Minimal |
| * Spleen | | Developmental Malformation | |
| [Developmental Malformation TGLS = 2-21] | | | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| Note: ATROPHY AND MINERALIZATION ASSOCIATED WITH ADENOMAS | | | |
| Note: NOT CODED | | | |
| [Adenoma TGLS = 1-7] | | | |
| * Thyroid Gland | Follicle | Cyst | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 547

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46355

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Compression Hydrocephalus	Moderate
[Compression TGLS = 6-1-1]			
* Kidney		Mineralization Nephropathy	Minimal Moderate
* Liver	Centrilobular	Atrophy Congestion Granuloma Hepatodiaphragmatic Nodule Vacuolization Cytoplasmic	Mild Mild Minimal Moderate
[Hepatodiaphragmatic Nodule TGLS = 3-22]	Hepatocyte		
* Lymph Node, Mesenteric		Ectasia	Moderate
[Ectasia TGLS = 4-5]			
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Preputial Gland		Inflammation Inflammation	Chronic, Mild Suppurative, Moderate
[Inflammation TGLS = 1-8]			
[Inflammation TGLS = 1-8]			
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 133	TRT#: 5	SEX: Male	DAY ON TEST: 547
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 88-46355

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Mucosa	Hyperplasia Ulcer	Moderate Marked
[Ulcer TGLS = 7-4-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 134

TRT#: 5

SEX: Male

DAY ON TEST: 605

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46892

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Fibrous Osteodystrophy	Moderate
* Epididymis		Atypia Cellular	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Small, Duodenum		Erosion	Minimal
* Intestine Small, Jejunum	Mucosa	Hyperplasia	Diffuse, Mild
[Hyperplasia TGLS = 4-4,5-4]			
* Kidney	Renal Tubule	Adenoma	
	Transit Epithe	Hyperplasia	Moderate
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Moderate
* Parathyroid Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 6-3]			
* Spleen		Pigmentation	Mild
* Stomach, Glandular		Erosion	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 135

TRT#: 5
DOSE: 0.25%

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST: 456
HISTO: 88-45585

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla
- * Epididymis
- * Intestine Small, Duodenum
- * Lung
- * Salivary Glands
- * Stomach, Glandular
- * Urinary Bladder

- * Bone
- * Esophagus
- * Intestine Small, Ileum
- * Mammary Gland
- * Seminal Vesicle
- * Thymus

- * Bone Marrow
- * Intestine Large, Cecum
- * Intestine Small, Jejunum
- * Parathyroid Gland
- * Skin
- * Thyroid Gland

- * Brain
- * Intestine Large, Colon
- * Islets, Pancreatic
- * Prostate
- * Stomach, Forestomach
- * Trachea

OBSERVATIONS

- * Adrenal Cortex
- * Heart
- * Intestine Large, Rectum
- * Kidney
- * Liver
-
- * Lymph Node, Mandibular
- * Lymph Node, Mesenteric
- * Nose
-
- * Pancreas
- * Pituitary Gland
- * Preputial Gland
- * Spleen

- Bile Duct
-
- Kupffer Cell
-
- Mucosa
-
- Pars Nervosa

- Accessory Adrenal Cortical Nodule
- Cardiomyopathy
- Parasite Metazoan
- Nephropathy
- Hyperplasia
- Inflammation
- Pigmentation
- Hyperplasia
- Hyperplasia
- Exudate
- Fungus
- Metaplasia
- Atrophy
- Hyperplasia
- Inflammation
- Fibrosis
- Pigmentation

- Minimal
- Moderate
- Minimal
- Subacute, Minimal
- Minimal
- Lymphoid, Mild
- Lymphoid, Mild
- Squamous, Moderate
- Marked
- Mild
- Chronic, Minimal
- Mild
- Mild

[Fibrosis TGLS = 1-21]

[Pigmentation TGLS = 1-21]

- * Testes Bilateral, Interstit Cell Adenoma

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 580

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46356

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Ganglioneuroma	
* Brain		Compression	
		Hydrocephalus	Mild
[Compression TGLS = 7-1-1]			
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Erosion	Mild
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 2-21]			
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Lymph Node			
Note: MEDIASTINAL IS MISSING			
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-8]			
* Nose		Exudate	
		Fungus	
	Mucosa	Hyperplasia	Moderate
	Mucosa	Metaplasia	Squamous, Mild
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 136	TRT#: 5 DOSE: 0.25%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 580 HISTO: 88-46356
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 6-1]	Acinar Cell Pars Distalis	Hyperplasia Adenoma	Focal, Mild
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Spleen		Pigmentation	Mild
* Stomach, Forestomach [Ulcer TGLS = 9-4-1,4-4,8-4-1]	Mucosa	Hyperplasia Ulcer	Marked Moderate
* Stomach, Glandular [Ulcer TGLS = 9-4-1,4-4,8-4-1]		Ulcer	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 525

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-45819

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
		Vacuolization Cytoplasmic	Focal, Mild
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Moderate
* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
		Mineralization	Mild
		Nephropathy	Marked
Note: MINERALIZATION IS IN PAPILLA [Nephropathy TGLS = 4-5]			
* Liver	Bile Duct	Degeneration	Cystic, Mild
		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-21]			
* Pancreas		Atrophy	Mild
* Prostate		Inflammation	Suppurative, Mild
* Skin		Acanthosis	Mild
		Exudate	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 525

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-45819

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

[Leukemia Mononuclear TGLS = 3-6]

Leukemia Mononuclear

* Testes

Bilateral, Interstit Cell

Adenoma

Note: ASSOCIATED WITH ADENOMAS;NOT CODED

Note: ATROPHY AND MINERALIZATION OF SEMINIFEROUS TUBULES

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 138

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 88-45586

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	
* Intestine Small, Duodenum		Ectopic Tissue	
Note: Ectopic tissue (Pancreas)			
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
* Nose		Exudate	
		Fungus	
	Mucosa	Hyperplasia	Marked
	Mucosa	Metaplasia	Squamous, Mild
* Pancreas		Atrophy	Mild
	Acinar Cell	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Minimal
* Prostate		Hyperplasia	Lymphoid, Minimal
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7,1-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 138

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 88-45586

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 551

DOSE: 0.25%

DISP: Natural Death

HISTO: 88-46357

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Islets, Pancreatic	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Carcinoma	Metastatic (Pancreas)
[Carcinoma TGLS = 3-10]			
* Kidney		Mineralization Nephropathy	Minimal Mild
* Liver	Bile Duct Centrilobular Hepatocyte	Hyperplasia Necrosis Vacuolization Cytoplasmic	Mild Moderate Moderate
[Hyperplasia TGLS = 6-6]			
[Necrosis TGLS = 6-6]			
[Vacuolization Cytoplasmic TGLS = 6-6]			
* Lung		Carcinoma	Metastatic (Pancreas)
[Carcinoma TGLS = 4-2]			
Lymph Node	Mediastinal Mediastinal	Carcinoma Hemorrhage	Metastatic (Pancreas) Moderate
[Hemorrhage TGLS = 9-3]			
Mesentery		Carcinoma	Metastatic (Pancreas)
[Carcinoma TGLS = 5-21]			
* Nose		Exudate	
* Pancreas		Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 139	TRT#: 5	SEX: Male	DAY ON TEST: 551
	DOSE: 0.25%	DISP: Natural Death	HISTO: 88-46357

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 2-7-1,7-22]			
* Prostate		Inflammation	Suppurative, Mild
Skeletal Muscle		Carcinoma	Metastatic (Pancreas)
[Carcinoma TGLS = 13-23]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Ulcer	Marked
[Ulcer TGLS = 12-4,12-4-1,11-4,11-4-1]			
* Stomach, Glandular		Erosion	Moderate
		Ulcer	Moderate
[Erosion TGLS = 12-4,12-4-1]			
[Ulcer TGLS = 12-4,12-4-1,11-4,11-4-1]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 8-7]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 645

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-48247

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Parathyroid Gland	* Preputial Gland	* Seminal Vesicle	* Skin
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Moderate
* Bone		Fibrous Osteodystrophy	Minimal
* Epididymis		Hypospermia	
* Intestine Small, Jejunum	Mucosa	Hyperplasia	Diffuse, Mild
[Hyperplasia TGLS = 5-4,6-4]			
* Kidney	Transit Epithe	Hyperplasia	Moderate
		Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 9-2-1]			
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			
* Nose		Exudate	
		Foreign Body	Moderate
		Fungus	
	Mucosa	Hyperplasia	Moderate
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 140

TRT#: 5
DOSE: 0.25%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 645
HISTO: 88-48247

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Corpora Amylacea	Mild
		Hyperplasia	Lymphoid, Minimal
		Inflammation	Suppurative, Mild
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Moderate
* Spleen		Pigmentation	Mild
* Stomach, Forestomach		Ulcer	Marked
[Ulcer TGLS = 11-4-1,10-4-1]			
* Stomach, Glandular		Ulcer	Minimal
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 398

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-45371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Brain		Compression	
[Compression TGLS = 4-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Subacute, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1-1]			
* Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48435

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Preputial Gland	* Seminal Vesicle	* Skin
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Moderate
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Mild
* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Moderate
[Cardiomyopathy TGLS = 12-5-1]			
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 7-22]			
* Kidney	Transit Epithe	Hyperplasia	Mild
		Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 8-5]			
* Liver	Bile Duct	Degeneration	Cystic, Minimal
		Hyperplasia	Mild
		Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
		Alveolar/Bronchiolar Adenoma	
* Lung			
[Alveolar/Bronchiolar Adenoma TGLS = 9-2-1]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 142	TRT#: 5 DOSE: 0.25%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 88-48435
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ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Exudate	
		Foreign Body	Mild
	Mucosa	Hyperplasia	Moderate
* Pancreas		Atrophy	Mild
	Acinar Cell	Hyperplasia	Focal, Moderate
	[Hyperplasia TGLS = 7-22]		
* Parathyroid Gland		Hyperplasia	Mild
	[Hyperplasia TGLS = 10-3]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 11-1]		
* Prostate		Inflammation	Suppurative, Mild
* Salivary Glands		Atrophy	Minimal
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
		Pigmentation	Mild
Note: PIGMENT IS ON SLIDE 21			
	[Fibrosis TGLS = 6-21]		
	[Leukemia Mononuclear TGLS = 5-6]		
* Stomach, Forestomach	Mucosa	Hyperplasia	Minimal
	Note: FORESTOMACH HYPERPLASIA IS ON SLIDE 4-1		
* Stomach, Glandular		Erosion	Moderate
	[Erosion TGLS = 13-4-1]		
* Testes	Seminif Tub	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Minimal
	[Atrophy TGLS = 3-7]		
* Thyroid Gland	Follicle	Cyst	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 589

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46435

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Brain | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Parathyroid Gland | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Stomach, Forestomach | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|--------------------------------------|---|--|---|
| * Adrenal Cortex | | Hypertrophy
Pigmentation
Vacuolization Cytoplasmic | Focal, Mild
Moderate
Focal, Mild |
| [Pigmentation TGLS = 8-10] | | | |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Bone Marrow | | Leukemia Mononuclear
Myelofibrosis | Moderate |
| * Epididymis | | Atypia Cellular | |
| * Kidney | Transit Epithe | Hyperplasia
Mineralization
Nephropathy
Pigmentation | Mild
Minimal
Moderate
Moderate |
| [Nephropathy TGLS = 9-5] | | | |
| * Liver | Centrilobular
Bile Duct
Bile Duct | Atrophy
Cyst
Hyperplasia
Leukemia Mononuclear | Mild

Moderate |
| | Kupffer Cell
Hepatocyte | Pigmentation
Vacuolization Cytoplasmic | Mild
Mild |
| [Leukemia Mononuclear TGLS = 10-6] | | | |
| * Lung | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 589

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46435

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node [Leukemia Mononuclear TGLS = 5-7,2-8]	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 5-7,2-8]		Leukemia Mononuclear	
* Pancreas Penis [Inflammation TGLS = 1-45]	Acinar Cell	Cytoplasmic Alteration Inflammation	Moderate Suppurative, Minimal
* Pituitary Gland [Adenoma TGLS = 11-1]	Pars Distalis	Adenoma Leukemia Mononuclear	
* Preputial Gland [Carcinoma TGLS = 3-21]		Carcinoma	
* Prostate		Inflammation	Suppurative, Mild
* Spleen [Fibrosis TGLS = 7-21] [Leukemia Mononuclear TGLS = 6-6-1]		Fibrosis Leukemia Mononuclear	Mild
* Stomach, Glandular		Ulcer	Mild
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 88-45587

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Compression	
[Compression TGLS = 3-1-1]			
* Epididymis		Atypia Cellular	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Hemorrhage	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Prostate		Inflammation	Suppurative, Moderate
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 355

DOSE: 0.25%

DISP: Natural Death

HISTO: 87-45210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Bone Marrow		Hypercellularity	Moderate
* Heart	Myocardium	Mineralization	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Note: MINERALIZATION IS IN PAPILLA			
* Liver	Centrilobular	Necrosis	Moderate
* Lung		Leukocytosis	Mild
Mesentery		Hemangiosarcoma	
[Hemangiosarcoma TGLS = 1-21]			
* Pancreas		Atrophy	Mild
Note: ATROPHY IS DIFFUSE			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 4-4]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 582

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46358

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain		Compression Hydrocephalus	Mild
[Compression TGLS = 8-1-1]			
* Kidney	Transit Epithe	Hyperplasia Nephropathy	Minimal Moderate
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus Granuloma Hepatodiaphragmatic Nodule Hyperplasia	Minimal Minimal
	Bile Duct		
Note: BASOPHILIC FOCUS IS ON SLIDE 24			
[Hepatodiaphragmatic Nodule TGLS = 6-24]			
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-21]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-22]			
* Pancreas		Atrophy Hyperplasia	Mild Focal, Minimal
	Acinar Cell		
Note: FOCAL HYPERPLASIA IS ON SLIDE 7			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 146	TRT#: 5	SEX: Male	DAY ON TEST: 582
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 88-46358

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Adenoma	
	Inflammation	Chronic, Mild
[Adenoma TGLS = 2-8-1]		
* Prostate	Inflammation	Suppurative, Mild
* Salivary Glands	Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 147	TRT#: 5 DOSE: 0.25%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 703 HISTO: 88-48248
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Diffuse, Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Bone		Fibrous Osteodystrophy	Moderate
* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Hyperplasia	Mild
	Transit Epithe	Hyperplasia	Mild
		Mineralization	Minimal
		Nephropathy	Marked
[Adenoma TGLS = 11-24]			
[Nephropathy TGLS = 6-5]			
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
[Hepatodiaphragmatic Nodule TGLS = 7-23]			
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Mild
* Parathyroid Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 10-3]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Prostate	Epithelium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 147	TRT#: 5 DOSE: 0.25%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 703 HISTO: 88-48248
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Inflammation Fibrosis Leukemia Mononuclear Pigmentation	Suppurative, Moderate Mild Moderate
Note: PIGMENT IS ON SLIDE 22 [Fibrosis TGLS = 5-22] [Leukemia Mononuclear TGLS = 4-21]			
* Stomach, Forestomach		Edema	Moderate
[Edema TGLS = 12-4]			
* Stomach, Glandular		Mineralization	Moderate
* Testes	Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
[Adenoma TGLS = 2-7] [Atrophy TGLS = 3-7]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 637

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-47018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 3-21]			
* Bone		Fibrous Osteodystrophy	Minimal
* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Erosion	Mild
* Kidney	Transit Epithe	Hyperplasia	Mild
		Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Subacute, Moderate
[Hyperplasia TGLS = 6-2]			
[Inflammation TGLS = 6-2]			
* Nose	Mucosa	Exudate	
		Hyperplasia	Mild
* Pancreas		Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 148	TRT#: 5 DOSE: 0.25%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 637 HISTO: 88-47018
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ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		Pigmentation	Mild
	[Hematopoietic Cell Proliferation TGLS = 2-6]		
	[Leukemia Mononuclear TGLS = 2-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 589

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46436

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Diffuse, Mild
* Bone		Fibrous Osteodystrophy	Mild
* Brain		Compression	
		Granuloma	Mild
		Hydrocephalus	Mild
Note: GRANULOMA IS AT EDGE OF LATERAL VENTRICLE [Compression TGLS = 10-1]			
* Epididymis		Hypospermia	
* Intestine Small, Jejunum	Mucosa	Hyperplasia	Diffuse, Mild
[Hyperplasia TGLS = 7-4,6-4]			
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver	Bile Duct	Clear Cell Focus	
	Lobules	Hyperplasia	Mild
	Hepatocyte	Necrosis	Mild
		Vacuolization Cytoplasmic	Marked
[Clear Cell Focus TGLS = 5-22]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-21,1-8]			
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Moderate
* Parathyroid Gland		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 149	TRT#: 5 DOSE: 0.25%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 589 HISTO: 88-46436
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ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 8-3] * Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1] * Prostate		Corpora Amylacea	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Mucosa	Hyperplasia Ulcer	Mild Moderate
[Ulcer TGLS = 11-4-1] * Stomach, Glandular		Ulcer	Mild
* Testes	Seminif Tub	Atrophy	Moderate
[Atrophy TGLS = 2-7]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 88-45588

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Inflammation	Subacute, Minimal
* Nose		Exudate	
		Foreign Body	Mild
	Mucosa	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Skin		Acanthosis	Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Moderate
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 151

TRT#: 5

SEX: Male

DAY ON TEST: 624

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46893

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Bone Marrow | * Brain | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Seminal Vesicle | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | | | |

OBSERVATIONS

- | | | | |
|-------------------|--|---------------------------|-----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Focal, Minimal |
| * Adrenal Medulla | | Hyperplasia | Minimal |
| * Epididymis | | Atypia Cellular | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | Transit Epithe | Hyperplasia | Mild |
| | | Nephropathy | Marked |
| | [Nephropathy TGLS = 5-5] | | |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Hyperplasia | Focal, Mild |
| * Mammary Gland | | Hyperplasia | Cystic, Minimal |
| | [Hyperplasia TGLS = 2-8] | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Nervosa | Hyperplasia | Minimal |
| | Note: ADENOMA HAS AREA WITH INCREASED PLEOMORPHISM | | |
| | [Adenoma TGLS = 6-1] | | |
| * Preputial Gland | | Inflammation | Chronic, Mild |
| * Prostate | | Hyperplasia | Lymphoid, Minimal |
| | | Inflammation | Suppurative, Moderate |
| * Skin | | Basal Cell Adenoma | |
| | [Basal Cell Adenoma TGLS = 1-21] | | |
| * Testes | Interstit Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 151

TRT#: 5
DOSE: 0.25%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 624
HISTO: 88-46893

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-7]

* Urinary Bladder

[Dilatation TGLS = 4-11]

Dilatation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 152

TRT#: 5

SEX: Male

DAY ON TEST: 484

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-45723

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Bone Marrow		Hypercellularity	Mild
* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Lung		Inflammation	Subacute, Minimal
Lymph Node	Mediastinal	Hemorrhage	Moderate
[Hemorrhage TGLS = 3-3]			
* Nose		Exudate	
		Foreign Body	Mild
		Fungus	
	Mucosa	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	Follicle	Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 152

TRT#: 5

SEX: Male

DAY ON TEST: 484

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-45723

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CYST CONTAINS HEMORRHAGE AND HISTIOCYTIC CELLS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 153

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48436

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 6-24]			
Blood Vessel		Inflammation	Chronic Active, Mild
Note: INFLAMMATION IS IN TESTIS, SLIDE 7			
* Brain		Compression	
[Compression TGLS = 8-1-1]			
* Epididymis		Hypospermia	
* Kidney	Renal Tubule	Hyperplasia	Oncocytic, Mild
	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 7-5]			
* Liver	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Minimal
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Hepatodiaphragmatic Nodule TGLS = 4-23]			
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 10-2-1]			
* Pancreas		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 153	TRT#: 5 DOSE: 0.25%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 88-48436
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 9-1]	Pars Distalis	Adenoma	
* Prostate		Hyperplasia Inflammation	Lymphoid, Minimal Suppurative, Mild
* Skin [Keratoacanthoma TGLS = 1-21]		Keratoacanthoma	
* Spleen [Leukemia Mononuclear TGLS = 5-22]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 3-7] [Atrophy TGLS = 2-7]	Interstit Cell Seminif Tub	Adenoma Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: AND MINERALIZATION

Animal Note: PHEOCHROMO MAL CONTAINS EXTENSIVE AREA OF NECROSIS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 154

TRT#: 5

SEX: Male

DAY ON TEST: 685

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-48249

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|--------------------------|---------------------------|--------------------------|
| * Adrenal Cortex | * Bone Marrow | * Brain | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mesenteric |
| * Mammary Gland | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--------------------------|---|---------------------------|-------------------|
| * Adrenal Medulla | | Hyperplasia | Moderate |
| * Bone | | Fibrous Osteodystrophy | Moderate |
| * Epididymis | | Hypospermia | |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | Transit Epithe | Hyperplasia | Mild |
| | | Nephropathy | Marked |
| | [Nephropathy TGLS = 5-5,6-24] | | |
| * Liver | | Angiectasis | Moderate |
| | | Basophilic Focus | |
| | | Degeneration | Cystic, Mild |
| | Bile Duct | Hyperplasia | Minimal |
| | | Mixed Cell Focus | |
| | Hepatocyte | Vacuolization Cytoplasmic | Mild |
| | [Angiectasis TGLS = 8-23] | | |
| | [Degeneration TGLS = 8-23] | | |
| | [Mixed Cell Focus TGLS = 7-22] | | |
| * Lymph Node, Mandibular | | Hyperplasia | Plasma Cell, Mild |
| * Nose | | Exudate | |
| | | Fungus | |
| | Mucosa | Hyperplasia | Moderate |
| | Note: MUCOSAL HYPERPLASIA INCLUDES TURBINATE ADHESION TO SEPTUM | | |
| * Pancreas | Acinar Cell | Adenoma | |
| | | Atrophy | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 154	TRT#: 5 DOSE: 0.25%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 685 HISTO: 88-48249
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 9-25]			
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Corpora Amylacea	Mild
		Inflammation	Suppurative, Moderate
[Inflammation TGLS = 3-7]			
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 4-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Minimal
[Adenoma TGLS = 1-7]			
[Atrophy TGLS = 2-7]			

PRIMARY CAUSE OF DEATH -

Animal Note: URINARY BLADDER HAS INFUSION ARTIFACT

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 155

TRT#: 5

SEX: Male

DAY ON TEST: 643

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-47047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Diffuse, Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Bone		Fibrous Osteodystrophy	Mild
* Epididymis		Atypia Cellular	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Hyperplasia	Mild
	Transit Epithe	Hyperplasia	Moderate
		Nephropathy	Marked
	[Nephropathy TGLS = 2-5,3-22]		
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Subacute, Mild
Note: NOT CODED			
Note: BASOPHILIC MATERIAL ASSOC. W/ INFLAMM. & HYPERPLASIA;			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
Mesentery		Mesothelioma Benign	
Note: MESOTHELIOMA INVOLVES EPIDIDYMIS (SLIDE 7)			
* Nose		Exudate	
		Foreign Body	Mild
		Fungus	
	Mucosa	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 155	TRT#: 5 DOSE: 0.25%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 643 HISTO: 88-47047
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Mild
	Acinar Cell	Cytoplasmic Alteration	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Corpora Amylacea	Mild
		Hyperplasia	Lymphoid, Mild
		Inflammation	Suppurative, Mild
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLS = 1-21]		
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 156

TRT#: 5

SEX: Male

DAY ON TEST: 595

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46894

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Fibrous Osteodystrophy	Mild
* Epididymis		Atypia Cellular	
* Kidney	Transit Epithe	Hyperplasia	Moderate
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Mixed Cell Focus	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Pancreas		Atrophy	Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Corpora Amylacea	Mild
* Spleen		Fibrosis	Moderate
		Pigmentation	Mild
* Stomach, Glandular		Erosion	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 156

TRT#: 5

SEX: Male

DAY ON TEST: 595

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46894

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Follicle

Cyst

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 157

TRT#: 5

SEX: Male

DAY ON TEST: 653

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-48250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|---------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Brain | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mesenteric | * Mammary Gland | * Parathyroid Gland |
| * Preputial Gland | * Seminal Vesicle | * Skin | * Thymus |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---|----------------|---------------------------|---------------------|
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Bone | | Fibrous Osteodystrophy | Mild |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | | Hypospermia | |
| * Heart | | Cardiomyopathy | Minimal |
| * Intestine Small, Duodenum | | Erosion | Mild |
| * Kidney | Renal Tubule | Adenoma | |
| | Transit Epithe | Hyperplasia | Mild |
| | | Mineralization | Minimal |
| | | Nephropathy | Marked |
| Note: ADENOMA IS VERY SMALL
[Nephropathy TGLS = 5-5] | | | |
| * Liver | | Angiectasis | Mild |
| | | Degeneration | Cystic, Moderate |
| | Bile Duct | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| | Hepatocyte | Vacuolization Cytoplasmic | Mild |
| [Leukemia Mononuclear TGLS = 6-6] | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| * Lymph Node, Mandibular | | Ectasia | Mild |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 1-8] | | | |
| * Nose | | Exudate | |
| | | Fungus | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 157

TRT#: 5
DOSE: 0.25%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 653
HISTO: 88-48250

ORGAN AND ACCOUNTABLE SITE STATUS

	Mucosa	Hyperplasia	Mild
	Mucosa	Metaplasia	Squamous, Mild
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Inflammation	Suppurative, Mild
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Moderate
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
	[Fibrosis TGLS = 7-21]		
	[Leukemia Mononuclear TGLS = 4-6]		
* Stomach, Forestomach		Fibrosis	Mild
* Stomach, Glandular		Edema	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	[Adenoma TGLS = 2-7]		
	[Atrophy TGLS = 3-7]		
* Thyroid Gland	Follicle	Cyst	
		Ultimobranchial Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 158

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 88-45589

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Mild
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Inflammation	Subacute, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Nose		Exudate	
		Fungus	
	Mucosa	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 159

TRT#: 5

SEX: Male

DAY ON TEST: 637

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-47019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Moderate
* Kidney	Transit Epithe	Hyperplasia	Moderate
		Inflammation	Suppurative, Minimal
		Nephropathy	Moderate
	[Nephropathy TGLS = 4-5]		
* Liver		Basophilic Focus	
* Lung		Carcinoma	Metastatic (Preputial Gland)
		Inflammation	Subacute, Minimal
	[Carcinoma TGLS = 5-2-1]		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Nose		Exudate	
		Fungus	
	Mucosa	Hyperplasia	Moderate
	Mucosa	Metaplasia	Squamous, Mild
* Preputial Gland		Carcinoma	
	[Carcinoma TGLS = 1-8-1]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 160

TRT#: 5

SEX: Male

DAY ON TEST: 512

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-45772

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 2-21]			
* Bone		Fibrous Osteodystrophy	Mild
* Epididymis		Atypia Cellular	
* Intestine Small, Duodenum		Erosion	Mild
* Kidney	Renal Tubule	Hyperplasia	Mild
	Transit Epithe	Hyperplasia	Mild
		Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 3-5-1,4-5-1]			
* Lung		Hyperplasia	Lymphoid, Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Osseous, Minimal
[Infiltration Cellular TGLS = 10-2-1]			
* Nose		Exudate	
		Foreign Body	Mild
		Fungus	
	Mucosa	Hyperplasia	Moderate
Note: SUBMUCOSAL GLANDS			
Note: MUCOSAL HYPERPLASIA INCLUDES CYSTIC HYPERPLASIA OF			
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Marked
* Parathyroid Gland		Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 160

TRT#: 5
DOSE: 0.25%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 512
HISTO: 88-45772

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 8-3]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Testes	Seminif Tub	Atrophy	Minimal
		Mineralization	Mild
[Mineralization TGLS = 1-7-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 161

TRT#: 5

SEX: Male

DAY ON TEST: 545

DOSE: 0.25%

DISP: Natural Death

HISTO: 88-45985

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-10,8-10]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-10,8-10]			
* Bone Marrow		Leukemia Mononuclear	
* Brain		Vacuolization Cytoplasmic	Mild
* Epididymis		Atypia Cellular	
* Heart		Leukemia Mononuclear	
		Thrombosis	
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Small, Duodenum		Erosion	Mild
* Kidney	Transit Epithe	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Mineralization	Mild
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Moderate
[Leukemia Mononuclear TGLS = 9-5]			
[Nephropathy TGLS = 9-5]			
* Liver	Hepatocyte	Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
[Leukemia Mononuclear TGLS = 10-6]			
* Lung	Mediastinal	Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
		Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 161

TRT#: 5

SEX: Male

DAY ON TEST: 545

DOSE: 0.25%

DISP: Natural Death

HISTO: 88-45985

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-7,1-8,11-5,12-3]			
[Leukemia Mononuclear TGLS = 6-7,1-8,11-5,12-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7,1-8,11-5,12-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7,1-8,11-5,12-3]			
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Moderate
[Leukemia Mononuclear TGLS = 4-21]			
[Necrosis TGLS = 4-21]			
* Pancreas		Atrophy	Mild
		Leukemia Mononuclear	
* Preputial Gland		Ectasia	Moderate
		Leukemia Mononuclear	
* Prostate		Inflammation	Suppurative, Moderate
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6-1]			
* Stomach, Glandular		Erosion	Mild
		Leukemia Mononuclear	
[Erosion TGLS = 14-4-1]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 3-7]			
[Hyperplasia TGLS = 3-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-11]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 162

TRT#: 5

SEX: Male

DAY ON TEST: 643

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-47048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Intestine Large, Rectum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Atypia Cellular	
		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum		Leukemia Mononuclear	
* Intestine Large, Colon		Leukemia Mononuclear	
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney	Transit Epithe	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Renal Tubule	Nephropathy	Mild
	Centrilobular	Pigmentation	Mild
* Liver	Bile Duct	Atrophy	Moderate
		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-3-1,4-21]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-3-1,4-21]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-3-1,4-21]	
* Mammary Gland		Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 162	TRT#: 5	SEX: Male	DAY ON TEST: 643
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 88-47048

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Leukemia Mononuclear TGLS = 5-22]		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Nervosa	Leukemia Mononuclear Hyperplasia	Minimal
* Preputial Gland		Leukemia Mononuclear	
* Prostate		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6,9-23]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 1-7]	
* Thymus		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-3]	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 163

TRT#: 5

SEX: Male

DAY ON TEST: 595

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46895

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|-----------------------------|--------------------------|----------------------------|
| * Bone Marrow | * Brain | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mesenteric | * Parathyroid Gland | * Preputial Gland | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|-------------------------------------|----------------|---------------------------|----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Focal, Minimal |
| * Adrenal Medulla | | Hyperplasia | Moderate |
| * Bone | | Fibrous Osteodystrophy | Minimal |
| * Epididymis | | Atypia Cellular | |
| * Heart | | Cardiomyopathy | Mild |
| * Intestine Large, Rectum | | Parasite Metazoan | |
| * Islets, Pancreatic | | Adenoma | |
| * Kidney | Transit Epithe | Hyperplasia | Mild |
| | | Inflammation | Suppurative, Minimal |
| | | Leukemia Mononuclear | |
| | | Mineralization | Moderate |
| | | Nephropathy | Moderate |
| [Nephropathy TGLS = 5-5] | | | |
| * Liver | | Degeneration | Cystic, Mild |
| | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-6] | | | |
| * Lung | | Congestion | Mild |
| | Alveolar Epith | Hyperplasia | Moderate |
| | | Infiltration Cellular | Histiocyte, Minimal |
| | | Leukemia Mononuclear | |
| [Congestion TGLS = 8-2] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 163

TRT#: 5

SEX: Male

DAY ON TEST: 595

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46895

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 9-2-1]

[Leukemia Mononuclear TGLS = 8-2]

Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Nose		Exudate	
	Mucosa	Hyperplasia	Mild
* Pancreas		Atrophy	Minimal
		Focal Cellular Change	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	Pars Nervosa	Hyperplasia	Minimal
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
		Pigmentation	Mild

[Fibrosis TGLS = 4-21]

[Leukemia Mononuclear TGLS = 3-6]

* Stomach, Forestomach	Mucosa	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 164

TRT#: 5

SEX: Male

DAY ON TEST: 650

DOSE: 0.25%

DISP: Natural Death

HISTO: 88-48251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Brain		Compression	
		Hydrocephalus	Mild
	[Compression TGLS = 4-1]		
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
		Mineralization	Minimal
		Nephropathy	Moderate
	[Nephropathy TGLS = 3-5]		
* Liver		Granuloma	Minimal
	Bile Duct	Hyperplasia	Mild
	Lobules	Necrosis	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung		Congestion	Moderate
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Hyperplasia	Plasma Cell, Mild
	[Hyperplasia TGLS = 2-8,2-8]		
	[Hyperplasia TGLS = 2-8,2-8]		
* Mammary Gland		Hyperplasia	Cystic, Mild
	[Hyperplasia TGLS = 1-8]		
* Nose		Exudate	
		Foreign Body	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 164	TRT#: 5 DOSE: 0.25%	SEX: Male DISP: Natural Death	DAY ON TEST: 650 HISTO: 88-48251
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Mucosa	Fungus Hyperplasia Atrophy	Mild Minimal
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Spleen		Pigmentation	Moderate
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 165

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48437

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Moderate
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
	[Compression TGLS = 12-1-1]		
* Epididymis		Hypospermia	
* Heart		Leukemia Mononuclear	
* Kidney	Transit Epithe	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
		Nephropathy	Marked
	[Nephropathy TGLS = 7-5]		
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Hyperplasia	Lymphoid, Moderate
	[Hyperplasia TGLS = 10-2-1]		
	[Hyperplasia TGLS = 10-2-1]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8,9-5-1,8-24,4-22,13-3]		
	[Leukemia Mononuclear TGLS = 2-8,9-5-1,8-24,4-22,13-3]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 165

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48437

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-8,9-5-1,8-24,4-22,13-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8,9-5-1,8-24,4-22,13-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8,9-5-1,8-24,4-22,13-3]			
* Mammary Gland		Hyperplasia Leukemia Mononuclear	Cystic, Marked
Note: CYSTIC HYPERPLASIA INCLUDES ZONE OF NECROSIS AND Note: CYSTIC HYPERPLASIA ALSO ON SLIDE 8 Note: GRANULOMATOUS INFLAMMATION			
[Hyperplasia TGLS = 1-21]			
[Leukemia Mononuclear TGLS = 1-21]			
* Pancreas		Atrophy	Marked
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 11-1]			
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate		Fibrosis	Marked
	Epithelium	Hyperplasia	Moderate
		Hyperplasia	Lymphoid, Moderate
		Inflammation	Suppurative, Marked
Note: EPITHELIAL HYPERPLASIA ASSOC. W/ INFLAMMATION			
* Seminal Vesicle		Inflammation	Suppurative, Marked
Note: INFLAMMATION ALSO INVOLVES COAGULATING GLAND			
[Inflammation TGLS = 14-7]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
		Pigmentation	Mild
[Fibrosis TGLS = 6-23]			
[Leukemia Mononuclear TGLS = 5-6]			
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 165

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48437

ORGAN AND ACCOUNTABLE SITE STATUS

Seminif Tub

Atrophy

Marked

[Adenoma TGLS = 3-7]

* Thymus

Leukemia Mononuclear

* Urinary Bladder

Mucosa

Hyperplasia

Moderate

Inflammation

Subacute, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 166

TRT#: 5

SEX: Male

DAY ON TEST: 510

DOSE: 0.25%

DISP: Natural Death

HISTO: 88-45765

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

- * Intestine Small, Ileum

OBSERVATIONS

- | | | | |
|--------------------------|----------------------------------|-----------------------------------|------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| * Brain | | Compression | |
| | | Hemorrhage | Mild |
| | [Compression TGLS = 7-1] | | |
| Eye | | Cataract | Moderate |
| | [Cataract TGLS = 1-21] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Moderate |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Hyperplasia | Focal, Minimal |
| | | Leukemia Mononuclear | |
| * Lung | | Congestion | Mild |
| * Lymph Node, Mandibular | | Congestion | Moderate |
| | [Congestion TGLS = 3-8] | | |
| * Mammary Gland | | Hyperplasia | Cystic, Moderate |
| | [Hyperplasia TGLS = 2-22] | | |
| Mesentery | | Accessory Spleen | |
| | [Accessory Spleen TGLS = 5-23] | | |
| * Nose | | Exudate | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 166	TRT#: 5	SEX: Male	DAY ON TEST: 510
	DOSE: 0.25%	DISP: Natural Death	HISTO: 88-45765

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Foreign Body Adenoma	Mild
* Prostate		Inflammation	Suppurative, Mild
* Spleen [Leukemia Mononuclear TGLS = 4-6]		Leukemia Mononuclear Pigmentation	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 167

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 88-45590

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Nose		Exudate	
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Suppurative, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 168

TRT#: 5

SEX: Male

DAY ON TEST: 542

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-45986

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Mammary Gland
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hypercellularity	Mild
* Epididymis		Hypospermia	
* Heart		Carcinoma	Metastatic (Islets, Pancreatic)
* Islets, Pancreatic		Carcinoma	
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Inflammation	Suppurative, Mild
		Mineralization	Mild
		Nephropathy	Mild
* Liver	Lobules	Carcinoma	Metastatic (Islets, Pancreatic)
		Necrosis	Marked
			[Carcinoma TGLS = 6-6,7-6]
* Lung		Carcinoma	Metastatic (Islets, Pancreatic)
			[Carcinoma TGLS = 8-2]
Lymph Node	Pancreatic	Carcinoma	Metastatic (Islets, Pancreatic)
			[Carcinoma TGLS = 3-7]
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Lymph Node, Mesenteric		Ectasia	Mild
* Nose		Exudate	
		Foreign Body	Mild
		Fungus	
	Mucosa	Hyperplasia	Mild
* Pancreas		Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 168

TRT#: 5

SEX: Male

DAY ON TEST: 542

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-45986

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Carcinoma TGLS = 1-21]		Carcinoma	Metastatic (Islets, Pancreatic)
* Spleen [Carcinoma TGLS = 5-6-1] [Hematopoietic Cell Proliferation TGLS = 4-6-1]		Carcinoma Hematopoietic Cell Proliferation	Metastatic (Islets, Pancreatic) Mild
* Stomach, Glandular [Edema TGLS = 9-4]		Edema	Mild
* Testes [Adenoma TGLS = 2-7]	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 169

TRT#: 5

SEX: Male

DAY ON TEST: 577

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46359

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Fibrous Osteodystrophy	Mild
* Bone Marrow		Hypercellularity	Mild
* Epididymis		Hypospermia	
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Small, Duodenum		Erosion	Mild
* Kidney	Renal Tubule	Hyperplasia	Mild
	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Marked
	[Nephropathy TGLS = 3-5,4-5]		
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Pancreas		Atrophy	Mild
	Acinar Cell	Cytoplasmic Alteration	Mild
* Parathyroid Gland		Hyperplasia	Mild
	[Hyperplasia TGLS = 7-3]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Hemangiosarcoma	
	[Hemangiosarcoma TGLS = 1-21]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Edema	Moderate
	Mucosa	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 169

TRT#: 5

SEX: Male

DAY ON TEST: 577

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46359

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLS = 8-4]

* Stomach, Glandular

* Testes

[Adenoma TGLS = 2-7]

Ulcer

Edema

Adenoma

Marked

Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 8 NOT SEEN ON SLIDE 4-1

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 170

TRT#: 5

SEX: Male

DAY ON TEST: 637

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-47020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	
		Hydrocephalus	Mild
[Compression TGLS = 5-1-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Hyperplasia	Lymphoid, Minimal
		Inflammation	Suppurative, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 170

TRT#: 5

SEX: Male

DAY ON TEST: 637

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-47020

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 1-6]

[Leukemia Mononuclear TGLS = 1-6]

* Urinary Bladder

Mucosa

Hyperplasia

Minimal

Note: HYPERPLASIA CONSISTS OF ISOLATED FOCUS PROLIFERATING

Note: TRANSITIONAL EPITHELIUM

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 171

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48438

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	
		Hydrocephalus	Mild
[Compression TGLS = 8-1-1]			
* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Mild
		Nephropathy	Moderate
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Prostate		Corpora Amylacea	Mild
		Inflammation	Suppurative, Mild
[Inflammation TGLS = 2-7]			
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 171	TRT#: 5	SEX: Male	DAY ON TEST: 730
	DOSE: 0.25%	DISP: Terminal Sacrifice	HISTO: 88-48438

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 3-21]			
[Leukemia Mononuclear TGLS = 4-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 172

TRT#: 5

SEX: Male

DAY ON TEST: 630

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Compression Hydrocephalus	Mild
[Compression TGLS = 7-1]			
* Kidney	Transit Epithe	Hyperplasia Inflammation Mineralization Nephropathy	Minimal Suppurative, Minimal Minimal Moderate
[Nephropathy TGLS = 3-5]			
* Liver	Bile Duct	Degeneration Hyperplasia Leukemia Mononuclear	Cystic, Minimal Moderate
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3]			
* Nose		Exudate Foreign Body	Mild
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 172	TRT#: 5	SEX: Male	DAY ON TEST: 630
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 88-46991

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Adenoma	
* Prostate [Inflammation TGLS = 8-7]		Inflammation	Suppurative, Moderate
* Spleen [Leukemia Mononuclear TGLS = 2-6]		Leukemia Mononuclear Pigmentation	Mild
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 173

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 88-45591

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- | | | | |
|---------------------------|--|-----------------------------------|-----------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| * Intestine Large, Rectum | | Parasite Metazoan | |
| * Kidney | | Mineralization | Mild |
| | | Nephropathy | Moderate |
| * Liver | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Minimal |
| | [Hepatodiaphragmatic Nodule TGLS = 2-21] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Preputial Gland | | Inflammation | Chronic, Mild |
| * Prostate | | Hyperplasia | Lymphoid, Mild |
| | | Inflammation | Suppurative, Moderate |
| | [Hyperplasia TGLS = 1-7] | | |
| | [Inflammation TGLS = 1-7] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 174

TRT#: 5

SEX: Male

DAY ON TEST: 651

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-48252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 12-23]			
* Kidney	Renal Tubule	Adenoma	
	Transit Epithe	Hyperplasia	Moderate
		Inflammation	Suppurative, Minimal
		Mineralization	Minimal
		Nephropathy	Marked
[Adenoma TGLS = 11-22]			
[Nephropathy TGLS = 7-5-1]			
* Liver		Leukemia Mononuclear	
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hyperplasia	Plasma Cell, Mild
[Hyperplasia TGLS = 9-3]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 9-3]			
* Mammary Gland		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 1-8]			
* Nose		Exudate	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 174	TRT#: 5 DOSE: 0.25%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 651 HISTO: 88-48252
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy Hyperplasia	Minimal Lymphoid, Minimal
Note: ATROPHY IS ON SLIDE 23			
* Parathyroid Gland [Hyperplasia TGLS = 10-3]		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Corpora Amylacea Fibrosis Inflammation	Moderate Moderate Suppurative, Marked
[Fibrosis TGLS = 5-7] [Inflammation TGLS = 5-7]			
* Spleen [Leukemia Mononuclear TGLS = 6-6]		Leukemia Mononuclear	
* Stomach, Glandular		Mineralization	Moderate
* Testes [Adenoma TGLS = 2-7]	Interstitial Cell	Adenoma	
* Urinary Bladder [Dilatation TGLS = 4-11]		Dilatation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 175

TRT#: 5

SEX: Male

DAY ON TEST: 673

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-48253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- | | | | |
|-------------------------------------|----------------|------------------------|-------------------|
| * Bone | | Fibrous Osteodystrophy | Mild |
| * Heart | | Cardiomyopathy | Moderate |
| * Islets, Pancreatic | | Adenoma | |
| [Adenoma TGLS = 9-22] | | | |
| * Kidney | Renal Tubule | Hyperplasia | Mild |
| | Transit Epithe | Hyperplasia | Moderate |
| | | Mineralization | Minimal |
| | | Nephropathy | Marked |
| [Nephropathy TGLS = 6-5-1,7-5-1] | | | |
| * Liver | | Angiectasis | Minimal |
| | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 5-6] | | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Hyperplasia | Plasma Cell, Mild |
| | | Leukemia Mononuclear | |
| * Mammary Gland | | Hyperplasia | Cystic, Mild |
| [Hyperplasia TGLS = 2-8] | | | |
| * Nose | | Exudate | |
| | | Foreign Body | Mild |
| | | Fungus | |
| | Mucosa | Hyperplasia | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 175

TRT#: 5
DOSE: 0.25%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 673
HISTO: 88-48253

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Cytoplasmic Alteration	Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Mild
	[Adenoma TGLS = 8-1]		
	[Angiectasis TGLS = 8-1]		
	[Hyperplasia TGLS = 8-1]		
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Skin	Sebaceous Gl	Adenoma	
	[Adenoma TGLS = 1-21]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
	[Hematopoietic Cell Proliferation TGLS = 4-6]		
	[Leukemia Mononuclear TGLS = 4-6]		
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 176

TRT#: 5

SEX: Male

DAY ON TEST: 638

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-47021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Parathyroid Gland
* Salivary Glands	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic Hyperplasia	Focal, Minimal Mild
* Adrenal Medulla		Leukemia Mononuclear Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Islets, Pancreatic		Mineralization	Minimal
* Kidney	Transit Epithe	Nephropathy Pigmentation	Mild Mild
	Renal Tubule		
	[Nephropathy TGLS = 8-5]		
* Liver	Centrilobular	Atrophy Congestion Hyperplasia Leukemia Mononuclear	Moderate Moderate Mild
	Bile Duct		
	[Leukemia Mononuclear TGLS = 9-6,10-6]		
* Lung		Hemorrhage Infiltration Cellular Leukemia Mononuclear	Moderate Histiocyte, Mild
	[Hemorrhage TGLS = 11-2,11-2-1]		
	[Leukemia Mononuclear TGLS = 11-2,11-2-1]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 12-5]		
* Lymph Node, Mandibular		Ectasia Hyperplasia	Moderate Plasma Cell, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 176

TRT#: 5

DOSE: 0.25%

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 638

HISTO: 88-47021

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-5]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-5]			
* Mammary Gland		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 3-8]			
* Nose		Exudate	
		Foreign Body	Minimal
		Fungus	
	Mucosa	Hyperplasia	Mild
	Mucosa	Metaplasia	Squamous, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
		Leukemia Mononuclear	
[Adenoma TGLS = 13-1]			
[Angiectasis TGLS = 14-1]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 2-8-1]			
* Prostate		Fibrosis	Mild
		Inflammation	Suppurative, Moderate
* Seminal Vesicle		Fibrosis	Moderate
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-21]			
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
		Necrosis	Moderate
[Fibrosis TGLS = 4-22,5-23,6-24]			
[Leukemia Mononuclear TGLS = 7-6-1]			
[Necrosis TGLS = 5-23]			
* Stomach, Forestomach		Erosion	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 176

TRT#: 5
DOSE: 0.25%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 638
HISTO: 88-47021

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Mucosa

Hyperplasia
Leukemia Mononuclear

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 177

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 88-45592

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Intestine Small, Duodenum

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Kidney		Mineralization	Mild
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Focal, Mild
* Lung		Inflammation	Subacute, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 3-3]			
* Lymph Node, Mandibular		Hemorrhage	Minimal
[Hemorrhage TGLS = 3-3]			
* Nose		Exudate	
		Fungus	
	Mucosa	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
* Prostate		Inflammation	Suppurative, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 2 IS AN INFUSION ARTIFACT

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 178

TRT#: 5

SEX: Male

DAY ON TEST: 449

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-45558

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Diffuse, Moderate
* Bone Marrow		Lymphoma Malignant Mixed	
* Intestine Large, Cecum		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 6-24]			
* Kidney		Mineralization	Minimal
[Nephropathy TGLS = 4-5]		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Mild
		Lymphoma Malignant Mixed	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Lymphoma Malignant Mixed	
	Pancreatic	Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 7-3,1-21,5-23]			
[Lymphoma Malignant Mixed TGLS = 7-3,1-21,5-23]			
* Lymph Node, Mesenteric		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 7-3,1-21,5-23]			
* Nose		Exudate	
		Foreign Body	Mild
	Mucosa	Hyperplasia	Mild
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 178

TRT#: 5
DOSE: 0.25%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 449
HISTO: 88-45558

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 8-1]	Pars Distalis	Lymphoma Malignant Mixed Adenoma	
* Prostate		Inflammation	Suppurative, Moderate
* Spleen [Fibrosis TGLS = 3-22] [Lymphoma Malignant Mixed TGLS = 2-6]		Fibrosis Hematopoietic Cell Proliferation Lymphoma Malignant Mixed	Moderate Mild
* Stomach, Forestomach [Edema TGLS = 10-4] [Hyperplasia TGLS = 10-4+4.1] [Ulcer TGLS = 11-4-1]	Mucosa	Edema Hyperplasia Ulcer	Moderate Mild Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 179

TRT#: 5

SEX: Male

DAY ON TEST: 666

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-48254

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Focal, Moderate
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
[Compression TGLS = 8-1]			
* Intestine Small, Duodenum		Erosion	Mild
* Kidney	Renal Tubule	Hyperplasia	Mild
	Transit Epithe	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Liver	Centrilobular	Atrophy	Mild
		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Note: CLEAR CELL FOCUS ON SLIDE 6 ALSO			
[Clear Cell Focus TGLS = 4-21]			
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 179

TRT#: 5

SEX: Male

DAY ON TEST: 666

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-48254

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
[Infiltration Cellular TGLS = 5-2-1]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3]			
[Leukemia Mononuclear TGLS = 6-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3]			
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Ectasia	Moderate
		Hyperplasia	Lymphoid, Mild
		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
* Stomach, Forestomach		Edema	Moderate
	Mucosa	Hyperplasia	Moderate
		Ulcer	Moderate
[Ulcer TGLS = 9-22]			
* Stomach, Glandular		Edema	Moderate
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 180

TRT#: 5

SEX: Male

DAY ON TEST: 678

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-48255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Salivary Glands
* Seminal Vesicle	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone		Fibrous Osteodystrophy	Minimal
* Epididymis		Hypospermia	
* Intestine Small, Duodenum		Inflammation	Suppurative, Minimal
* Intestine Small, Jejunum	Mucosa	Hyperplasia	Diffuse, Mild
[Hyperplasia TGLS = 8-4]			
* Kidney	Transit Epithe	Hyperplasia	Moderate
		Mineralization	Minimal
		Nephropathy	Marked
	Transit Epithe	Papilloma	
[Nephropathy TGLS = 6-5]			
* Liver	Bile Duct	Angiectasis	Mild
		Hyperplasia	Minimal
		Mixed Cell Focus	
		Hyperplasia	Plasma Cell, Marked
* Lymph Node, Mandibular			
[Hyperplasia TGLS = 3-8]			
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 2-8]			
* Nose		Exudate	
		Foreign Body	Minimal
* Pancreas		Atrophy	Minimal
	Acinar Cell	Cytoplasmic Alteration	Moderate
	Acinar Cell	Hyperplasia	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 180

TRT#: 5

SEX: Male

DAY ON TEST: 678

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-48255

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 5-22]

* Parathyroid Gland

Hyperplasia

Moderate

* Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Cyst

[Adenoma TGLS = 9-1]

* Preputial Gland

Inflammation

Chronic, Mild

* Prostate

Corpora Amylacea

Moderate

Inflammation

Suppurative, Moderate

* Skin

Squamous Cell Papilloma

[Squamous Cell Papilloma TGLS = 1-21]

* Stomach, Forestomach

Mucosa

Hyperplasia

Moderate

Ulcer

Marked

Note: FORESTOMACH ULCERATION ALSO ON SLIDE 4

[Ulcer TGLS = 11-23,7-4-1,10-4-2]

* Stomach, Glandular

Edema

Moderate

Ulcer

Mild

[Ulcer TGLS = 11-23,7-4-1,10-4-2]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 181

TRT#: 7

SEX: Male

DAY ON TEST: 577

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46360

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Epididymis		Hypospermia	
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Transit Epithe	Hyperplasia	Mild
		Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Liver		Angiectasis	Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Ectasia	Mild
* Nose		Exudate	
		Fungus	
	Mucosa	Hyperplasia	Moderate
	Mucosa	Metaplasia	Squamous, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Corpora Amylacea	Moderate
		Inflammation	Suppurative, Minimal
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 181

TRT#: 7

SEX: Male

DAY ON TEST: 577

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46360

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Cyst

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 456

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 88-45593

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Pituitary Gland

OBSERVATIONS

* Epididymis		Atypia Cellular	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
Note: MINERALIZATION OCCURS IN RENAL PAPILLA			
* Liver		Clear Cell Focus	
	Bile Duct	Cyst	
	Bile Duct	Hyperplasia	Minimal
* Prostate		Hyperplasia	Lymphoid, Mild
		Inflammation	Suppurative, Mild
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Minimal

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 183

TRT#: 7

SEX: Male

DAY ON TEST: 595

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46879

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Kidney	Transit Epithe	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
		Mineralization	Moderate
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver	Bile Duct	Granuloma	Minimal
		Hyperplasia	Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 1-8]			
* Nose	Mucosa	Exudate	
	Pars Distalis	Hyperplasia	Mild
* Pituitary Gland		Adenoma	
Note: AREAS OF ANAPLASIA WITHIN ADENOMA			
[Adenoma TGLS = 3-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Pigmentation	Mild
* Stomach, Glandular		Erosion	Minimal
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 184

TRT#: 7

SEX: Male

DAY ON TEST: 526

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-45817

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
		Mineralization	Mild
		Nephropathy	Moderate
Note: SCATTERED PIGMENT IN TUBULES AND INTERSTITIUM;CONSIDERED			
Note: MINERALIZATION IS IN THE PAPILLA			
Note: PART OF NEPHROPATHY			
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Subacute, Mild
[Hepatodiaphragmatic Nodule TGLS = 3-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Pancreas		Atrophy	Moderate
* Prostate		Inflammation	Suppurative, Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-7]			
Zymbal's Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 184

TRT#: 7

SEX: Male

DAY ON TEST: 526

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-45817

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 1-21]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 185

TRT#: 7

SEX: Male

DAY ON TEST: 624

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46880

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Bone | * Epididymis | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Mammary Gland | * Nose |
| * Parathyroid Gland | * Preputial Gland | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | | |

OBSERVATIONS

- | | | | |
|---|----------------|----------------------|----------------|
| * Adrenal Cortex | | Hyperplasia | Focal, Minimal |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 5-10] | | | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Necrosis | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | Transit Epithe | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| | | Mineralization | Mild |
| | | Nephropathy | Moderate |
| | Renal Tubule | Pigmentation | Moderate |
| [Nephropathy TGLS = 6-5] | | | |
| * Liver | Centrilobular | Atrophy | Moderate |
| | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 7-6] | | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 1-8,3-7-1,8-3] | | | |
| [Leukemia Mononuclear TGLS = 1-8,3-7-1,8-3] | | | |
| * Lymph Node, Mandibular | | Ectasia | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 185

TRT#: 7

SEX: Male

DAY ON TEST: 624

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46880

ORGAN AND ACCOUNTABLE SITE STATUS

[Ectasia TGLS = 1-8]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8,3-7-1,8-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8,3-7-1,8-3]			
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Moderate
[Angiectasis TGLS = 9-1]			
* Prostate		Corpora Amylacea	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 186

TRT#: 7

SEX: Male

DAY ON TEST: 555

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|----------------------------|--------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Heart | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Jejunum | * Lymph Node, Mesenteric |
| * Mammary Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Thymus

INSUFFICIENT TISSUE

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|----------------------------|--------------|-----------------------------------|----------------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| * Intestine Large, Cecum | | Dilatation | Marked |
| [Dilatation TGLS = 9-4] | | | |
| * Intestine Small, Ileum | | Dilatation | Moderate |
| [Dilatation TGLS = 7-4] | | | |
| * Islets, Pancreatic | | Adenoma | |
| [Adenoma TGLS = 10-21] | | | |
| * Kidney | Renal Tubule | Hyperplasia | Minimal |
| | | Mineralization | Mild |
| | | Nephropathy | Moderate |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| * Lung | | Carcinoma | Metastatic (Thyroid Gland) |
| * Lymph Node, Mandibular | | Ectasia | Mild |
| | | Hyperplasia | Plasma Cell, Mild |
| [Ectasia TGLS = 1-8] | | | |
| [Hyperplasia TGLS = 1-8] | | | |
| * Nose | | Exudate | |
| | | Foreign Body | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 186	TRT#: 7	SEX: Male	DAY ON TEST: 555
	DOSE: 0.50%	DISP: Moribund Sacrifice	HISTO: 88-46361

ORGAN AND ACCOUNTABLE SITE STATUS

	Mucosa	Fungus	
	Mucosa	Hyperplasia	Moderate
* Pancreas		Metaplasia	Squamous, Mild
		Cyst	
	Acinar Cell	Cytoplasmic Alteration	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Carcinoma	Metastatic (Thyroid Gland)
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 2-3]			

PRIMARY CAUSE OF DEATH

-

Animal Note: INFUSION ARTIFACT IN URINARY BLADDER

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 187

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48434

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Epididymis		Hypospermia	
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Inflammation	Suppurative, Mild
		Mineralization	Moderate
		Nephropathy	Moderate
Note: MINERALIZATION IS IN PAPILLA [Nephropathy TGLS = 3-5]			
* Liver		Angiectasis	Moderate
		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Moderate
[Hyperplasia TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Nervosa	Hyperplasia	Minimal
* Preputial Gland		Adenoma	
		Inflammation	Chronic, Mild
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Moderate
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 187

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48434

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7]

[Atrophy TGLS = 1-7]

* Thymus

Thymoma Benign

Note: THYMOMA CONTAINS A CYST

* Thyroid Gland

Degeneration

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 188

TRT#: 7

SEX: Male

DAY ON TEST: 672

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48256

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone		Fibrous Osteodystrophy	Mild
* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Moderate
[Hyperplasia TGLS = 9-7-1]			
* Kidney	Transit Epithe	Hyperplasia	Moderate
		Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 4-5-1]			
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 7-2]			
* Pancreas		Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 6-3]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Minimal
	Pars Nervosa	Hyperplasia	Mild
[Adenoma TGLS = 8-1]			
* Prostate		Inflammation	Suppurative, Mild
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Moderate
* Skin		Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 188	TRT#: 7	SEX: Male	DAY ON TEST: 672
	DOSE: 0.50%	DISP: Moribund Sacrifice	HISTO: 88-48256

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Carcinoma TGLS = 1-21]			
* Spleen		Fibrosis Pigmentation	Mild Mild
[Fibrosis TGLS = 3-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland		Degeneration	Cystic, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 456

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 88-45594

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
Note: THE MINERALIZATION IS IN THE PAPILLA			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Salivary Glands		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
* Thymus		Thymoma Benign	
* Thyroid Gland	Follicle	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 190

TRT#: 7

SEX: Male

DAY ON TEST: 624

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46881

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Epididymis		Atypia Cellular	
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Moderate
		Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Pancreas		Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic, Moderate
* Prostate		Hyperplasia	Lymphoid, Mild
		Inflammation	Suppurative, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 553

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Brain | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Mammary Gland | * Nose |
| * Parathyroid Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------|----------------|---|----------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Hyperplasia | Minimal |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | | Hypospermia | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | Transit Epithe | Leukemia Mononuclear | |
| | | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | | Mineralization | Mild |
| | | Nephropathy | Marked |
| | | [Leukemia Mononuclear TGLS = 6-5] | |
| | | [Nephropathy TGLS = 6-5] | |
| * Liver | Centrilobular | Atrophy | Mild |
| | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 7-6] | |
| * Lung | | Infiltration Cellular | Histiocyte, Moderate |
| | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 8-2] | |
| Lymph Node | Axillary | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 5-22,1-8,2-21] | |
| | | [Leukemia Mononuclear TGLS = 5-22,1-8,2-21] | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 191	TRT#: 7	SEX: Male	DAY ON TEST: 553
	DOSE: 0.50%	DISP: Moribund Sacrifice	HISTO: 88-46362

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 5-22,1-8,2-21]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 5-22,1-8,2-21]		Leukemia Mononuclear	
* Pancreas		Atrophy	Moderate
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 4-6]		Leukemia Mononuclear	
* Stomach, Forestomach		Ulcer	Moderate
* Testes [Adenoma TGLS = 3-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 575

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46363

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Epididymis | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric | * Parathyroid Gland |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Forestomach |
| * Thyroid Gland | * Trachea | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--|---------------|----------------------------|----------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 5-10,5-10] | | | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 5-10,5-10] | | | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| | | Necrosis | Mild |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Mineralization | Moderate |
| | | Nephropathy | Moderate |
| | Renal Tubule | Pigmentation | Moderate |
| Note: PIGMENT EXCEEDS THAT USUALLY SEEN W/ NEPHROPATHY | | | |
| * Liver | Centrilobular | Atrophy | Mild |
| | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | Kupffer Cell | Pigmentation | Mild |
| [Hepatodiaphragmatic Nodule TGLS = 7-22] | | | |
| [Leukemia Mononuclear TGLS = 6-6] | | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 575

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46363

ORGAN AND ACCOUNTABLE SITE STATUS

	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-23,9-24]		
	[Leukemia Mononuclear TGLS = 4-23,9-24]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-23,9-24]		
* Nose		Exudate	
		Foreign Body	Mild
		Fungus	
	Mucosa	Hyperplasia	Mild
	Mucosa	Necrosis	Moderate
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Moderate
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Cyst	
		Leukemia Mononuclear	
	[Adenoma TGLS = 8-1]		
	[Leukemia Mononuclear TGLS = 8-1]		
* Preputial Gland		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
	[Fibrosis TGLS = 3-21]		
	[Leukemia Mononuclear TGLS = 2-6]		
* Stomach, Glandular		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
	[Adenoma TGLS = 1-7]		
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 575

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46363

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: NECROSIS ASSOC. W/ LEUKEMIA IN PANCREATIC L. NODE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 193

TRT#: 7

SEX: Male

DAY ON TEST: 575

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46364

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Compression Hydrocephalus	Mild
[Compression TGLS = 5-1]			
* Epididymis		Hypospermia	
* Kidney	Transit Epithe	Hyperplasia Inflammation Mineralization Nephropathy	Mild Suppurative, Minimal Minimal Marked
[Nephropathy TGLS = 3-5]			
* Liver	Bile Duct	Basophilic Focus Hyperplasia Hyperplasia Hemorrhage Adenoma	Minimal Focal, Minimal Moderate
Lymph Node	Pancreatic		
* Pituitary Gland	Pars Distalis		
[Adenoma TGLS = 4-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 1-21-1]			
* Spleen		Pigmentation	Mild
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 193	TRT#: 7 DOSE: 0.50%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 575 HISTO: 88-46364
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ORGAN AND ACCOUNTABLE SITE STATUS

Interstit Cell	Hyperplasia	Minimal
Note: MINERALIZ. & TUBULAR ATROPHY IN TESTIS W/ ADENOMA Note: NOT CODED [Adenoma TGLS = 2-7] * Thymus		
Epithel Cell	Cyst Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 456

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 88-45595

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Epididymis		Atypia Cellular	
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
[Cataract TGLS = 1-21]			
* Kidney		Mineralization	Mild
		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Nose		Exudate	
		Fungus	
* Pancreas		Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

Animal Note: LYMPH NODE ADJACENT TO THYROID GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 195

TRT#: 7

SEX: Male

DAY ON TEST: 588

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46437

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Pigmentation	Mild
[Pigmentation TGLS = 7-10]			
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Mineralization	Mild
* Heart		Leukemia Mononuclear	
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Mineralization	Moderate
		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Moderate
[Leukemia Mononuclear TGLS = 8-5,9-23]			
[Nephropathy TGLS = 8-5]			
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-2,12-2-1]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 195

TRT#: 7

SEX: Male

DAY ON TEST: 588

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46437

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-8]

* Nose		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Preputial Gland		Leukemia Mononuclear	
* Prostate		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	

[Leukemia Mononuclear TGLS = 3-6-1,4-21,5-22]

* Stomach, Glandular		Leukemia Mononuclear	
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Leukemia Mononuclear	

[Leukemia Mononuclear TGLS = 11-3]

Tissue NOS		Leukemia Mononuclear	
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Note: TISSUE NOS IS THORACIC FLUID

[Leukemia Mononuclear TGLS = 2-63]

* Urinary Bladder		Leukemia Mononuclear	
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PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 587

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46438

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Pigmentation	Mild
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Atypia Cellular	
* Heart		Cardiomyopathy Thrombosis	Mild
[Cardiomyopathy TGLS = 11-5]			
[Thrombosis TGLS = 10-5-1]			
* Kidney	Renal Tubule Renal Tubule	Adenoma Carcinoma Leukemia Mononuclear Nephropathy Pigmentation	Mild Mild
Note: ADENOMA IS IN LEFT KIDNEY			
[Carcinoma TGLS = 6-23]			
[Leukemia Mononuclear TGLS = 5-5]			
[Nephropathy TGLS = 5-5]			
[Pigmentation TGLS = 5-5]			
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Moderate
[Leukemia Mononuclear TGLS = 9-6]			
* Lung		Hemorrhage Infiltration Cellular	Minimal Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 196	TRT#: 7	SEX: Male	DAY ON TEST: 587
	DOSE: 0.50%	DISP: Moribund Sacrifice	HISTO: 88-46438

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
[Hemorrhage TGLS = 13-2,13-2-1]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-3-1,7-7]			
[Leukemia Mononuclear TGLS = 12-3-1,7-7]			
* Lymph Node, Mandibular		Ectasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-3-1,7-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-3-1,7-7]			
* Nose	Mucosa	Hyperplasia	Mild
		Leukemia Mononuclear	
* Prostate		Fibrosis	Mild
		Leukemia Mononuclear	
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
[Fibrosis TGLS = 4-22]			
[Leukemia Mononuclear TGLS = 2-6]			
[Necrosis TGLS = 3-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 197

TRT#: 7

SEX: Male

DAY ON TEST: 594

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46458

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lung	* Mammary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Fibrous Osteodystrophy	Minimal
* Brain		Compression	
[Compression TGLS = 7-1-1]			
* Intestine Small, Duodenum	Mucosa	Hyperplasia	Diffuse, Moderate
* Intestine Small, Jejunum	Mucosa	Hyperplasia	Diffuse, Mild
[Hyperplasia TGLS = 5-4,4-4]			
* Kidney		Hemorrhage	Mild
		Hydronephrosis	Mild
	Transit Epithe	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
		Mineralization	Minimal
		Nephropathy	Marked
		Thrombosis	
Note: HEMORRHAGE IS IN PELVIS			
[Hydronephrosis TGLS = 3-5]			
[Nephropathy TGLS = 2-5]			
[Thrombosis TGLS = 8-21]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Nose		Exudate	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 197	TRT#: 7 DOSE: 0.50%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 594 HISTO: 88-46458
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Mucosa	Foreign Body	Minimal
* Parathyroid Gland	Acinar Cell	Hyperplasia	Mild
* Pituitary Gland		Cytoplasmic Alteration	Moderate
[Adenoma TGLS = 6-1]	Pars Distalis	Hyperplasia	Moderate
* Prostate		Adenoma	
* Spleen		Inflammation	Suppurative, Moderate
		Fibrosis	Mild
		Pigmentation	Mild
* Stomach, Glandular		Ulcer	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 198

TRT#: 7

SEX: Male

DAY ON TEST: 508

DOSE: 0.50%

DISP: Natural Death

HISTO: 88-45749

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Atypia Cellular	
* Heart		Leukemia Mononuclear	
		Thrombosis	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
		Mineralization	Moderate
		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
	Kupffer Cell	Leukemia Mononuclear	
		Pigmentation	Mild
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-2,11-24]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-23,8-3,4-21,1-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 198	TRT#: 7	SEX: Male	DAY ON TEST: 508
	DOSE: 0.50%	DISP: Natural Death	HISTO: 88-45749

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-23,8-3,4-21,1-8]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-23,8-3,4-21,1-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-23,8-3,4-21,1-8]			
* Pancreas		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 10-4-1]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 5-22]			
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 456

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 88-45596

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Mineralization	Mild
		Nephropathy	Moderate
* Nose		Exudate	
		Foreign Body	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Hyperplasia	Lymphoid, Mild
		Inflammation	Suppurative, Moderate
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 679

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Basophilic Focus	
		Vacuolization Cytoplasmic	Focal, Minimal
* Bone		Fibrous Osteodystrophy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Moderate
		Hyperplasia	Lymphoid, Moderate
		Inflammation	Suppurative, Minimal
		Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 3-5-1]			
* Liver	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-21]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			
* Nose		Exudate	
		Fungus	
	Mucosa	Hyperplasia	Moderate
	Mucosa	Metaplasia	Squamous, Moderate
* Pancreas	Acinar Cell	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 7-22]			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 200	TRT#: 7	SEX: Male	DAY ON TEST: 679
	DOSE: 0.50%	DISP: Moribund Sacrifice	HISTO: 88-48257

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-1]			
* Prostate	Epithelium	Hyperplasia Inflammation	Mild Suppurative, Minimal
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Mild
* Thyroid Gland	Follicle C Cell	Cyst Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 201

TRT#: 7

SEX: Male

DAY ON TEST: 667

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48258

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Mammary Gland
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Thymus	* Thyroid Gland	* Trachea

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Histiocytic Sarcoma	Metastatic (Liver)
		Hypospermia	
* Heart	Myocardium	Inflammation	Chronic, Minimal
* Intestine Large, Rectum		Histiocytic Sarcoma	Metastatic (Liver)
* Islets, Pancreatic		Histiocytic Sarcoma	Metastatic (Liver)
* Kidney	Transit Epithe	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mineralization	Mild
		Nephropathy	Moderate
[Nephropathy TGLS = 3-5-1]			
* Liver		Basophilic Focus	
		Carcinoma	Metastatic (Islets, Pancreatic)
		Histiocytic Sarcoma	
	Bile Duct	Hyperplasia	Minimal
Note: HISTIO SARC ALSO ON SLIDE 6-1			
[Histiocytic Sarcoma TGLS = 11-23]			
Lymph Node	Iliac	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-21,10-22]			
[Leukemia Mononuclear TGLS = 9-21,10-22]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-21,10-22]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 201

TRT#: 7

SEX: Male

DAY ON TEST: 667

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48258

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 9-21,10-22]

* Nose		Exudate	
		Fungus	
	Mucosa	Hyperplasia	Mild
	Mucosa	Metaplasia	Squamous, Mild
	Mucosa	Necrosis	Marked
* Pancreas		Cyst	
* Pituitary Gland	Pars Nervosa	Hyperplasia	Minimal
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Suppurative, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	

[Leukemia Mononuclear TGLS = 2-6]

* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Mineralization	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

Note: EXTENSIVE NECROSIS ASSOC. W/ ONE ADENOMA

[Adenoma TGLS = 1-7]

* Urinary Bladder		Histiocytic Sarcoma	Metastatic (Liver)
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 202

TRT#: 7

SEX: Male

DAY ON TEST: 594

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46459

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone		Fibrous Osteodystrophy	Minimal
		Hyperostosis	Moderate
		Necrosis	Moderate
[Hyperostosis TGLS = 1-21]			
[Necrosis TGLS = 1-21]			
* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Moderate
* Kidney	Transit Epithe	Hyperplasia	Mild
		Mineralization	Moderate
		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 3-8]			
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 7-8]			
* Nose		Exudate	
		Fungus	
	Mucosa	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Nervosa	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:24
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 202	TRT#: 7 DOSE: 0.50%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 594 HISTO: 88-46459
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ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Corpora Amylacea	Moderate
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 203

TRT#: 7

SEX: Male

DAY ON TEST: 594

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46460

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney	Transit Epithe	Hyperplasia	Mild
		Mineralization	Moderate
		Nephropathy	Marked
[Nephropathy TGLS = 1-5]			
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Inflammation	Subacute, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Prostate		Inflammation	Suppurative, Moderate
* Spleen		Pigmentation	Mild
* Stomach, Forestomach	Mucosa	Hyperplasia	Minimal
		Ulcer	Mild
[Hyperplasia TGLS = 4-23]			
[Ulcer TGLS = 4-4]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 3-22]			
* Thyroid Gland	Follicle	Cyst	
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 203

TRT#: 7

SEX: Male

DAY ON TEST: 594

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46460

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 204

TRT#: 7

SEX: Male

DAY ON TEST: 604

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46882

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Epididymis		Atypia Cellular	
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Moderate
		Mineralization	Minimal
		Nephropathy	Marked
	[Nephropathy TGLS = 3-5]		
* Liver		Angiectasis	Minimal
		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Foreign Body	Mild
* Nose		Exudate	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic, Moderate
* Prostate		Corpora Amylacea	Moderate
		Hyperplasia	Lymphoid, Minimal
		Inflammation	Suppurative, Mild
* Spleen		Fibrosis	Mild
		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		
* Thyroid Gland	Follicle	Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:24

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 204

TRT#: 7

SEX: Male

DAY ON TEST: 604

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46882

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: FOCUS OF DETACHED UNIDENTIFIED CELLS ADJACENT TO SKIN

Animal Note: SECTION ON SLIDE 8

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 205

TRT#: 7

SEX: Male

DAY ON TEST: 669

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Hypospermia	
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
		[Cataract TGLS = 1-22]	
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Mineralization	Moderate
		Nephropathy	Marked
		[Nephropathy TGLS = 6-5]	
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
		[Hyperplasia TGLS = 12-23]	
		[Hyperplasia TGLS = 12-23]	
		[Leukemia Mononuclear TGLS = 8-6-1]	
* Lung	Alveolar Epith	Alveolar/Bronchiolar Carcinoma	
		Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 205

TRT#: 7

SEX: Male

DAY ON TEST: 669

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48259

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ALV BRON CARC ALSO PRESENT ON SLIDE 2

[Alveolar/Bronchiolar Carcinoma TGLS = 9-2-1]

[Hyperplasia TGLS = 10-2-2]

* Lymph Node, Mandibular

Fibrosis

Moderate

* Lymph Node, Mesenteric

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 7-5]

* Mammary Gland

Hyperplasia

Cystic, Mild

* Nose

Exudate

Fungus

Mucosa

Hyperplasia

Mild

Mucosa

Metaplasia

Squamous, Mild

Mucosa

Necrosis

Mild

* Pancreas

Atrophy

Minimal

* Pituitary Gland

Pars Intermed

Cyst

Pars Distalis

Hyperplasia

Mild

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 11-1]

* Preputial Gland

Inflammation

Chronic, Mild

* Prostate

Inflammation

Suppurative, Mild

* Spleen

Fibrosis

Mild

Leukemia Mononuclear

Pigmentation

Mild

[Fibrosis TGLS = 4-21]

[Leukemia Mononuclear TGLS = 5-6]

* Testes

Interstit Cell

Adenoma

Seminif Tub

Atrophy

Mild

Interstit Cell

Hyperplasia

Minimal

[Adenoma TGLS = 3-7]

[Atrophy TGLS = 2-7]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 206

TRT#: 7

SEX: Male

DAY ON TEST: 456

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 88-45597

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Inflammation	Subacute, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 207

TRT#: 7

SEX: Male

DAY ON TEST: 262

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 87-45211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Bone Marrow		Hypercellularity	Moderate
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Mild
		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 4-23]		
Lymph Node	Inguinal	Hyperplasia	Plasma Cell, Moderate
	[Hyperplasia TGLS = 2-22]		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
	[Hyperplasia TGLS = 2-22]		
* Pituitary Gland	Pars Intermed	Cyst	
	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Carcinoma	
	[Carcinoma TGLS = 1-21]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLS = 3-6]		
* Testes	Seminif Tub	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 208

TRT#: 7

SEX: Male

DAY ON TEST: 598

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46883

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia	Focal, Mild
		Vacuolization Cytoplasmic	Focal, Minimal
* Bone		Fibrous Osteodystrophy	Minimal
* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Moderate
* Kidney	Transit Epithe	Hyperplasia	Mild
		Mineralization	Moderate
		Nephropathy	Marked
	[Nephropathy TGLS = 3-5,4-22]		
* Liver		Basophilic Focus Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Hyperplasia	Lymphoid, Mild
	[Hemorrhage TGLS = 6-3]		
	[Hyperplasia TGLS = 6-3]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
	[Hyperplasia TGLS = 6-3]		
* Lymph Node, Mesenteric		Hemorrhage	Mild
	[Hemorrhage TGLS = 6-3]		
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Moderate
* Parathyroid Gland		Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 208	TRT#: 7 DOSE: 0.50%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 598 HISTO: 88-46883
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ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Inflammation	Chronic, Minimal
* Prostate	Corpora Amylacea	Mild
* Spleen	Fibrosis	Moderate
	Pigmentation	Mild
[Fibrosis TGLS = 2-21]		
* Stomach, Forestomach	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 8-23]		
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 1-7]		
* Thymus	Cyst	
* Thyroid Gland	Hypoplasia	Marked
[Hypoplasia TGLS = 7-3]		

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 209

TRT#: 7

SEX: Male

DAY ON TEST: 506

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-45750

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Esophagus

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-10]			
* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign Leukemia Mononuclear	Mild
* Bone Marrow		Myelofibrosis	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Leukemia Mononuclear Mineralization Nephropathy Pigmentation	Moderate Moderate Mild
* Liver	Renal Tubule Centrilobular Bile Duct	Atrophy Hyperplasia Leukemia Mononuclear	Moderate Moderate
[Leukemia Mononuclear TGLS = 5-6-1]	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung		Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
[Leukemia Mononuclear TGLS = 6-2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 209	TRT#: 7	SEX: Male	DAY ON TEST: 506
	DOSE: 0.50%	DISP: Moribund Sacrifice	HISTO: 88-45750

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7-1,1-8,7-3]			
[Leukemia Mononuclear TGLS = 3-7-1,1-8,7-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7-1,1-8,7-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7-1,1-8,7-3]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 10-4-1]			
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 210

TRT#: 7

SEX: Male

DAY ON TEST: 604

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46884

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Epididymis		Atypia Cellular	
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Mild
		Nephropathy	Moderate
Note: MINERALIZ. IS IN PAPILLA [Nephropathy TGLS = 2-5]			
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 211

TRT#: 7

SEX: Male

DAY ON TEST: 653

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-10]			
* Adrenal Medulla		Hyperplasia	Moderate
[Leukemia Mononuclear TGLS = 6-10]		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Intestine Large, Cecum		Edema	Mild
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney	Renal Tubule	Hyperplasia	Mild
	Transit Epithe	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mineralization	Moderate
		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Moderate
[Leukemia Mononuclear TGLS = 7-5-1,8-5-1]			
[Nephropathy TGLS = 7-5-1]			
* Liver		Angiectasis	Moderate
	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Angiectasis TGLS = 10-6-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 211

TRT#: 7

SEX: Male

DAY ON TEST: 653

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48260

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 10-6-1]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7-1,1-8,9-5,11-3]			
[Leukemia Mononuclear TGLS = 3-7-1,1-8,9-5,11-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7-1,1-8,9-5,11-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7-1,1-8,9-5,11-3]			
* Pituitary Gland		Leukemia Mononuclear	
		Pigmentation	Mild
* Preputial Gland		Leukemia Mononuclear	
* Prostate		Inflammation	Suppurative, Mild
* Skin		Acanthosis	Minimal
* Spleen		Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-21]			
[Leukemia Mononuclear TGLS = 4-6]			
* Stomach, Glandular		Edema	Mild
		Leukemia Mononuclear	
* Testes	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild
[Atrophy TGLS = 2-7]			
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 212

TRT#: 7

SEX: Male

DAY ON TEST: 456

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 88-45598

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Kidney		Mineralization	Moderate
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Mast Cell, Moderate
* Nose		Exudate	
		Foreign Body	Mild
	Mucosa	Hyperplasia	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 213

TRT#: 7

SEX: Male

DAY ON TEST: 666

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Fibrous Osteodystrophy	Moderate
* Epididymis		Hypospermia	
* Intestine Small, Duodenum		Erosion	Minimal
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 7-22]			
* Kidney	Transit Epithe	Hyperplasia	Mild
		Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 1-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: CLEAR CELL FOCI ALSO ON SLIDE 6			
[Clear Cell Focus TGLS = 6-21]			
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Mild
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 213

TRT#: 7
DOSE: 0.50%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 666
HISTO: 88-48261

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular		Leukemia Mononuclear Pigmentation Edema Erosion	Mild Mild Minimal
* Testes [Adenoma TGLS = 5-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 214

TRT#: 7

SEX: Male

DAY ON TEST: 274

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 87-45212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Thymoma Malignant	Metastatic (Thymus)
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Inflammation	Subacute, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Thymoma Malignant	Metastatic (Thymus)
[Thymoma Malignant TGLS = 4-22,5-2]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
[Hemorrhage TGLS = 2-5]			
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Mucosa	Hyperplasia	Mild
[Hyperplasia TGLS = 6-23]			
* Thymus		Thymoma Malignant	
[Thymoma Malignant TGLS = 3-21]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 215

TRT#: 7

SEX: Male

DAY ON TEST: 594

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
		Vacuolization Cytoplasmic	Focal, Mild
* Bone		Fibrous Osteodystrophy	Mild
* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 4-21]			
* Kidney	Transit Epithe	Hyperplasia	Moderate
		Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Inflammation	Subacute, Minimal
* Nose		Exudate	
		Foreign Body	Mild
	Mucosa	Hyperplasia	Mild
* Pancreas		Atrophy	Minimal
	Acinar Cell	Cytoplasmic Alteration	Marked
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Nervosa	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 215	TRT#: 7 DOSE: 0.50%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 594 HISTO: 88-46461
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ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Corpora Amylacea	Mild
* Spleen		Pigmentation	Mild
* Testes	Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
[Adenoma TGLS = 2-7]			
[Atrophy TGLS = 1-7]			
* Thyroid Gland	Follicle	Cyst	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 216

TRT#: 7

SEX: Male

DAY ON TEST: 456

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 88-45599

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Mineralization	Moderate
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Ectasia	Minimal
		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-1]		
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
	[Fibrosis TGLS = 1-21]		
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 217

TRT#: 7

SEX: Male

DAY ON TEST: 598

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46885

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney	Renal Tubule Transit Epithe	Hyperplasia Hyperplasia Inflammation Nephropathy	Mild Minimal Suppurative, Minimal Moderate
* Liver	Centrilobular Bile Duct	Atrophy Congestion Hyperplasia Inflammation	Mild Mild Minimal Subacute, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland [Hyperplasia TGLS = 1-8,1-21]		Hyperplasia	Cystic, Moderate
* Nose		Exudate Foreign Body	Mild
* Pancreas		Cyst	
* Pituitary Gland [Adenoma TGLS = 2-1]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Hyperplasia Inflammation	Lymphoid, Mild Suppurative, Moderate
* Spleen		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 217

TRT#: 7
DOSE: 0.50%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 598
HISTO: 88-46885

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 218

TRT#: 7

SEX: Male

DAY ON TEST: 650

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Moderate
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Hypertrophy	Marked
		Inflammation	Chronic Active, Moderate
		Thrombosis	
[Hypertrophy TGLS = 4-21]			
[Inflammation TGLS = 4-21]			
[Thrombosis TGLS = 4-21]			
* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Hyperplasia	Mild
	Transit Epithe	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
		Mineralization	Moderate
		Nephropathy	Moderate
[Nephropathy TGLS = 3-5]			
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 218	TRT#: 7 DOSE: 0.50%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 650 HISTO: 88-48262
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ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Pigmentation	Mild
* Stomach, Forestomach		Edema	Mild
		Erosion	Minimal
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
	[Adenoma TGLS = 1-7]		
	[Atrophy TGLS = 2-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 219

TRT#: 7

SEX: Male

DAY ON TEST: 679

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Fibrous Osteodystrophy	Mild
* Epididymis		Hypospermia	
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyperplasia	Mild
	Transit Epithe	Hyperplasia	Moderate
		Mineralization	Moderate
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
Note: TWO ADENOMAS ARE PRESENT IN THE PARS DISTALIS			
[Adenoma TGLS = 4-1]			
* Prostate		Inflammation	Suppurative, Moderate
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 219

TRT#: 7
DOSE: 0.50%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 679
HISTO: 88-48263

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes
[Adenoma TGLS = 2-7]

Bilateral, Interstit Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 220

TRT#: 7
DOSE: 0.50%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 679
HISTO: 88-48264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Leukemia Mononuclear Vacuolization Cytoplasmic Hyperplasia	Diffuse, Mild Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Adenoma Hyperplasia Mineralization Nephropathy	Mild Moderate Marked
* Kidney	Renal Tubule Transit Epithe		
	[Nephropathy TGLS = 9-5-1]		
* Liver		Basophilic Focus Degeneration Hyperplasia Leukemia Mononuclear	Cystic, Minimal Mild
	Bile Duct		
	[Leukemia Mononuclear TGLS = 10-6]		
* Lymph Node, Mandibular		Hyperplasia Leukemia Mononuclear	Plasma Cell, Marked
	[Hyperplasia TGLS = 2-8]		
	[Leukemia Mononuclear TGLS = 2-8,8-5]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8,8-5]		
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 220	TRT#: 7 DOSE: 0.50%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 679 HISTO: 88-48264
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 11-1] * Preputial Gland * Prostate * Skin [Fibroma TGLS = 3-21] * Spleen [Fibrosis TGLS = 7-22] [Leukemia Mononuclear TGLS = 6-6-1] * Stomach, Glandular * Testes [Adenoma TGLS = 4-7] * Thyroid Gland	Pars Nervosa Subcut Tiss Interstit Cell Interstit Cell	Hyperplasia Inflammation Ectasia Fibroma Fibrosis Leukemia Mononuclear Mineralization Adenoma Hyperplasia Degeneration	Mild Chronic, Mild Mild Minimal Mild Minimal Cystic, Minimal
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 221

TRT#: 7

SEX: Male

DAY ON TEST: 562

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46365

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
		Hyperplasia	Focal, Minimal
* Bone Marrow		Myelofibrosis	Minimal
* Brain		Compression	
[Compression TGLS = 6-1]			
* Kidney	Transit Epithe	Hyperplasia	Mild
		Mineralization	Moderate
[Nephropathy TGLS = 4-5]		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Granuloma	Minimal
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Nervosa	Hyperplasia	Minimal
[Adenoma TGLS = 5-1]			
* Prostate		Inflammation	Suppurative, Moderate
[Inflammation TGLS = 3-7]			
* Spleen		Pigmentation	Mild
* Thyroid Gland		Ultimobranchial Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 221

TRT#: 7
DOSE: 0.50%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 562
HISTO: 88-46365

ORGAN AND ACCOUNTABLE SITE STATUS

* Urinary Bladder
[Dilatation TGLS = 2-11]

Dilatation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 222

TRT#: 7

SEX: Male

DAY ON TEST: 604

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46886

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Moderate
		Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 3-5]			
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
[Hyperplasia TGLS = 2-8]			
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-8]			
* Nose		Exudate	
		Foreign Body	Mild
		Fungus	
	Mucosa	Hyperplasia	Moderate
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Spleen		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 222

TRT#: 7
DOSE: 0.50%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 604
HISTO: 88-46886

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

Mucosa

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 223

TRT#: 7

SEX: Male

DAY ON TEST: 456

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 88-45600

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Nose		Exudate	
		Foreign Body	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 224

TRT#: 7

SEX: Male

DAY ON TEST: 583

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46397

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Bone | * Esophagus | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Mammary Gland | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Forestomach |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---|---------------|----------------------|-------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-10] | | | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-10] | | | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| | | Necrosis | Mild |
| Note: NECROSIS IS UNILATERAL IN AREA OF HIPPOCAMPUS | | | |
| [Leukemia Mononuclear TGLS = 13-1] | | | |
| * Epididymis | | Hypospermia | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Mineralization | Moderate |
| | | Nephropathy | Mild |
| | Renal Tubule | Pigmentation | Moderate |
| Note: MINERALIZ.IS IN THE RENAL PAPILLA | | | |
| [Leukemia Mononuclear TGLS = 7-5] | | | |
| [Nephropathy TGLS = 7-5] | | | |
| * Liver | Centrilobular | Atrophy | Moderate |
| | Bile Duct | Hyperplasia | Moderate |
| | | Hyperplasia | Focal, Mild |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 8-6] | | | |
| * Lung | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 224

TRT#: 7

SEX: Male

DAY ON TEST: 583

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46397

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Iliac	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-8,9-5,3-7,10-22,11-23,12-3]		
	[Leukemia Mononuclear TGLS = 1-8,9-5,3-7,10-22,11-23,12-3]		
	[Leukemia Mononuclear TGLS = 1-8,9-5,3-7,10-22,11-23,12-3]		
	[Leukemia Mononuclear TGLS = 1-8,9-5,3-7,10-22,11-23,12-3]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-8,9-5,3-7,10-22,11-23,12-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-8,9-5,3-7,10-22,11-23,12-3]		
* Nose		Exudate	
		Fungus	
	Mucosa	Hyperplasia	Mild
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
* Prostate		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6-1,5-21]		
* Stomach, Glandular		Erosion	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 225

TRT#: 7

SEX: Male

DAY ON TEST: 569

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46366

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Islets, Pancreatic

OBSERVATIONS

* Brain		Compression Hydrocephalus	Mild
[Compression TGLS = 4-1]			
* Kidney	Transit Epithe	Hyperplasia Mineralization Nephropathy	Minimal Mild Moderate
[Nephropathy TGLS = 2-5]			
* Liver	Centrilobular Bile Duct Hepatocyte Pancreatic	Atrophy Hyperplasia Vacuolization Cytoplasmic Hyperplasia	Mild Minimal Mild Lymphoid, Mild
[Hyperplasia TGLS = 5-21]			
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			
* Nose	Mucosa	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
Note: PART OF THE ADENOMA IS ON SLIDE 7			
[Adenoma TGLS = 3-1]			
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 225

TRT#: 7

SEX: Male

DAY ON TEST: 569

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46366

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

Mucosa

Edema

Hyperplasia

Ulcer

Mild

Minimal

Mild

[Ulcer TGLS = 6-22,6-4]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 226

TRT#: 7

SEX: Male

DAY ON TEST: 636

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-47022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
		Hydrocephalus	Mild
[Compression TGLS = 6-1-1]			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney	Transit Epithe	Hyperplasia	Mild
		Mineralization	Moderate
		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Moderate
[Nephropathy TGLS = 4-5-1]			
* Liver	Centrilobular	Atrophy	Mild
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Ectasia	Mild
		Hyperplasia	Plasma Cell, Moderate
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-8,1-21]			
* Nose		Exudate	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 226

TRT#: 7
DOSE: 0.50%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 636
HISTO: 88-47022

ORGAN AND ACCOUNTABLE SITE STATUS

		Foreign Body	Mild
		Fungus	
	Mucosa	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 3-22]			
[Leukemia Mononuclear TGLS = 2-6]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicle	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 227

TRT#: 7
DOSE: 0.50%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 646
HISTO: 88-48265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Hypospermia	
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Moderate
* Liver	Renal Tubule Centrilobular	Pigmentation	Mild
		Atrophy	Mild
		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Moderate
	Bile Duct	Hyperplasia	Mild
[Clear Cell Focus TGLS = 8-22]			
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Hemorrhage TGLS = 1-2-1]			
[Leukemia Mononuclear TGLS = 1-2-1]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 227	TRT#: 7 DOSE: 0.50%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 646 HISTO: 88-48265
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ORGAN AND ACCOUNTABLE SITE STATUS

Pars Nervosa	Hyperplasia Pigmentation	Minimal Mild	
Note: TWO ADENOMAS ARE PRESENT IN PARS DISTALIS [Adenoma TGLS = 5-1] [Pigmentation TGLS = 5-1]			
* Preputial Gland	Inflammation	Chronic, Mild	
* Prostate	Corpora Amylacea Inflammation	Mild Suppurative, Mild	
* Spleen	Fibrosis Hematopoietic Cell Proliferation Leukemia Mononuclear	Marked Moderate	
[Fibrosis TGLS = 6-21] [Hematopoietic Cell Proliferation TGLS = 3-6-1] [Leukemia Mononuclear TGLS = 3-6-1]			
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
[Adenoma TGLS = 4-7] [Atrophy TGLS = 7-7]			
* Thymus	Ectopic Parathyroid Gland		

PRIMARY CAUSE OF DEATH -

Animal Note: PORTION OF PHEOCHROM BGN IS WITHIN VASCULAR SPACE;
Animal Note: OTHERWISE APPEARS BENIGN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: tert-Butyl alcohol
 CAS Number: 75-65-0

Date Report Requested: 10/18/2014
 Time Report Requested: 18:41:25
 First Dose M/F: NA / NA
 Lab: SRI

ANIMAL ID: 228

TRT#: 7

SEX: Male

DAY ON TEST: 672

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48266

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Focal, Minimal
* Bone Marrow		Leukemia Mononuclear Compression	
* Brain		Hydrocephalus Oligodendroglioma Benign	Mild
[Compression TGLS = 14-1]			
* Epididymis		Hypospermia	
Eye	Retina	Atrophy Cataract	Marked Moderate
[Atrophy TGLS = 2-21]			
[Cataract TGLS = 1-21,1-24,2-21]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia Mineralization Nephropathy	Moderate Moderate Moderate
[Nephropathy TGLS = 9-5]			
* Liver	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Leukemia Mononuclear Hyperplasia Infiltration Cellular Leukemia Mononuclear	Moderate Histiocyte, Moderate

Note: ALV EPITH HYPERPLASIA APPEARS TO RESPONSE TO LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 228

TRT#: 7

SEX: Male

DAY ON TEST: 672

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48266

ORGAN AND ACCOUNTABLE SITE STATUS

Note: MINIMAL NECROSIS & MILD SMOOTH MUSCLE PROLIFERATION APPEARS

Note: TO BE A RESPONSE TO THE LEUKEMIA MONUC

[Hyperplasia TGLS = 11-2,11-2-1]

Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-23,12-3,10-22,4-8]		
	[Leukemia Mononuclear TGLS = 8-23,12-3,10-22,4-8]		
	[Leukemia Mononuclear TGLS = 8-23,12-3,10-22,4-8]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-23,12-3,10-22,4-8]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-23,12-3,10-22,4-8]		
* Mammary Gland		Hyperplasia	Cystic, Mild
	[Hyperplasia TGLS = 3-8]		
* Nose		Exudate	
		Fungus	
	Mucosa	Hyperplasia	Minimal
	Mucosa	Metaplasia	Squamous, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 13-1]		
* Prostate		Hyperplasia	Lymphoid, Mild
		Inflammation	Suppurative, Moderate
* Spleen		Leukemia Mononuclear	
		Pigmentation	Mild
	[Leukemia Mononuclear TGLS = 7-6]		
* Stomach, Forestomach	Mucosa	Hyperplasia	Minimal
	[Hyperplasia TGLS = 15-25]		
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	[Adenoma TGLS = 6-7]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 228

TRT#: 7

SEX: Male

DAY ON TEST: 672

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48266

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 5-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 229

TRT#: 7

SEX: Male

DAY ON TEST: 651

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48267

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Hyperplasia	Minimal
	Transit Epithe	Hyperplasia	Mild
		Mineralization	Mild
		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Liver	Bile Duct	Clear Cell Focus	
		Hyperplasia	Marked
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
Note: TWO ADENOMAS ARE PRESENT IN PARS DISTALIS			
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
* Stomach, Glandular		Edema	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 230

TRT#: 7

SEX: Male

DAY ON TEST: 555

DOSE: 0.50%

DISP: Natural Death

HISTO: 88-46367

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Mineralization	Mild
		Nephropathy	Mild
[Leukemia Mononuclear TGLS = 6-5,6-5-1]			
* Liver	Centrilobular	Atrophy	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8,7-22]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8,7-22]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8,7-22]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-21]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6-1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 231

TRT#: 7
DOSE: 0.50%

SEX: Male
DISP: Natural Death

DAY ON TEST: 566
HISTO: 88-46368

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

MISSING

* Preputial Gland * Thymus

OBSERVATIONS

* Bone Marrow		Hypercellularity	Mild
* Brain		Hemorrhage	Mild
Note: HEMORRHAGE IS IN MENINGES ADJACENT OF PINEAL GLAND [Hemorrhage TGLS = 7-23]			
* Epididymis		Hypospermia	
* Kidney	Bilateral, Renal Tubule	Adenoma	Multiple
		Cyst	
		Mineralization	Moderate
		Nephropathy	Moderate
[Cyst TGLS = 8-24]			
* Liver		Fibrosarcoma	Metastatic (Skin)
		Hyperplasia	Focal, Mild
	Centrilobular	Necrosis	Mild
[Necrosis TGLS = 6-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 9-2] [Infiltration Cellular TGLS = 9-2]			
Mesentery		Fibrosarcoma	Metastatic (Skin)
Note: META. FIBROSARCOMA PRESENT ON SLIDES 4,5,&25			
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 231	TRT#: 7 DOSE: 0.50%	SEX: Male DISP: Natural Death	DAY ON TEST: 566 HISTO: 88-46368
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Acinar Cell Pars Distalis	Cytoplasmic Alteration Adenoma	Mild
* Prostate		Inflammation	Suppurative, Moderate
* Seminal Vesicle		Depletion Cellular Inflammation	Moderate Suppurative, Mild
[Depletion Cellular TGLS = 5-7]			
* Skin	Subcut Tiss	Acanthosis Fibrosarcoma	Minimal
[Fibrosarcoma TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 10-25]			
* Testes	Bilateral, Interstit Cell	Adenoma	
Note: SEM. TUBULAR ATROPHY NOT CODED WHEN ACCOMPANIED BY TUMOR			
[Adenoma TGLS = 3-7,3-22]			
* Thyroid Gland		Ultimobranchial Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 232

TRT#: 7

SEX: Male

DAY ON TEST: 589

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46439

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Necrosis Vacuolization Cytoplasmic	Moderate Focal, Mild
[Leukemia Mononuclear TGLS = 6-10,6-10]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-10,6-10]			
* Bone	Femur	Osteopetrosis	Mild
* Bone Marrow		Leukemia Mononuclear Myelofibrosis	Mild
* Brain		Leukemia Mononuclear Mineralization	Mild
* Heart		Leukemia Mononuclear	
* Intestine Small, Duodenum		Erosion	Minimal
* Kidney	Transit Epithe	Leukemia Mononuclear Hyperplasia	Mild
		Leukemia Mononuclear Mineralization	Mild
	Interstit Tiss	Nephropathy	Moderate
	Renal Tubule	Pigmentation	Mild
[Nephropathy TGLS = 7-5]		Pigmentation	Mild
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Lobules	Necrosis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 232

TRT#: 7

SEX: Male

DAY ON TEST: 589

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46439

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-6]

* Lung

Infiltration Cellular
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear

Histiocyte, Minimal

Lymph Node

Mediastinal
Pancreatic

[Leukemia Mononuclear TGLS = 9-3,9-3-1,2-8,11-23]

[Leukemia Mononuclear TGLS = 9-3,9-3-1,2-8,11-23]

* Lymph Node, Mandibular

Ectasia
Leukemia Mononuclear

Mild

[Ectasia TGLS = 2-8]

[Leukemia Mononuclear TGLS = 9-3,9-3-1,2-8,11-23]

* Lymph Node, Mesenteric

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-8,11-23,9-3,9-3-1]

* Mammary Gland

Hyperplasia

Cystic, Moderate

[Hyperplasia TGLS = 1-21]

Mesentery

Fat

Necrosis

Mild

[Necrosis TGLS = 3-22]

* Nose

Exudate
Foreign Body
Fungus

Mild

Mucosa
Mucosa

Hyperplasia
Metaplasia
Cytoplasmic Alteration
Adenoma
Leukemia Mononuclear

Moderate
Squamous, Mild
Mild

* Pancreas

* Pituitary Gland

Acinar Cell
Pars Distalis

[Adenoma TGLS = 10-1]

* Preputial Gland

Inflammation

Chronic, Mild

* Prostate

Fibrosis

Mild

Inflammation

Suppurative, Moderate

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 232	TRT#: 7	SEX: Male	DAY ON TEST: 589
	DOSE: 0.50%	DISP: Moribund Sacrifice	HISTO: 88-46439

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-6-1]			
* Testes	Seminif Tub Interstit Cell	Atrophy Hyperplasia	Minimal Minimal
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Hemorrhage Leukemia Mononuclear	Minimal
[Hemorrhage TGLS = 4-11]			
[Leukemia Mononuclear TGLS = 4-11]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 233

TRT#: 7

SEX: Male

DAY ON TEST: 639

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-47023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|--------------------------|-----------------------------|--------------------------|
| * Bone | * Brain | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Nose | * Parathyroid Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---------------------------------------|----------------|----------------------|------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | | Hypospermia | |
| * Intestine Large, Rectum | | Parasite Metazoan | |
| * Islets, Pancreatic | | Adenoma | |
| [Adenoma TGLS = 8-22] | | | |
| * Kidney | Transit Epithe | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | | Mineralization | Minimal |
| | | Nephropathy | Moderate |
| | Renal Tubule | Pigmentation | Moderate |
| [Hyperplasia TGLS = 5-1] | | | |
| [Leukemia Mononuclear TGLS = 7-5-1] | | | |
| [Nephropathy TGLS = 7-5-1] | | | |
| [Pigmentation TGLS = 7-5-1] | | | |
| * Liver | Centrilobular | Atrophy | Mild |
| | | Degeneration | Cystic, Moderate |
| | Bile Duct | Hyperplasia | Moderate |
| | | Hyperplasia | Focal, Marked |
| | | Leukemia Mononuclear | |
| [Hyperplasia TGLS = 10-23] | | | |
| [Hyperplasia TGLS = 10-23] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 233	TRT#: 7	SEX: Male	DAY ON TEST: 639
	DOSE: 0.50%	DISP: Moribund Sacrifice	HISTO: 88-47023

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 9-6]			
* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular Leukemia Mononuclear	Minimal Histiocyte, Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Moderate
Note: ATROPHY PRESENT ON SLIDES 7 AND 22			
* Pituitary Gland	Pars Distalis Pars Nervosa	Adenoma Hyperplasia	Minimal
[Adenoma TGLS = 11-1]			
* Preputial Gland		Inflammation Inflammation	Chronic, Moderate Suppurative, Moderate
[Inflammation TGLS = 2-8,2-8]			
[Inflammation TGLS = 2-8,2-8]			
* Spleen		Fibrosis Leukemia Mononuclear	Moderate
[Fibrosis TGLS = 6-21]			
[Leukemia Mononuclear TGLS = 5-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7-1]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 234

TRT#: 7

SEX: Male

DAY ON TEST: 569

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46369

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Prostate	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tissue NOS	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Epididymis		Hypospermia	
* Kidney	Transit Epithe	Hyperplasia	Mild
		Mineralization	Mild
		Nephropathy	Moderate
			[Nephropathy TGLS = 4-5]
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Leukemia Mononuclear	
			[Leukemia Mononuclear TGLS = 5-22,5-6]
Mesentery		Accessory Spleen	
Note: ACCESSORY SPLEEN IS ON SLIDE 7			
* Nose		Exudate	
		Foreign Body	Moderate
		Fungus	
	Mucosa	Hyperplasia	Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Suppurative, Mild
		Inflammation	Chronic, Moderate
* Salivary Glands		Atrophy	Minimal
* Spleen		Fibrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 234	TRT#: 7	SEX: Male	DAY ON TEST: 569
	DOSE: 0.50%	DISP: Moribund Sacrifice	HISTO: 88-46369

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 3-21]		Leukemia Mononuclear Pigmentation	Mild
* Stomach, Forestomach	Mucosa	Hyperplasia Inflammation	Minimal Subacute, Minimal
[Hyperplasia TGLS = 7-4-1] [Inflammation TGLS = 7-4-1]			
* Testes	Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
[Adenoma TGLS = 1-7] [Atrophy TGLS = 2-7]			
Tooth		Fibrosarcoma	
[Fibrosarcoma TGLS = 8-23]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 235

TRT#: 7

SEX: Male

DAY ON TEST: 456

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 88-45601

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Pancreas		Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Interstitial Cell	Adenoma	
	Interstitial Cell	Hyperplasia	Minimal

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 236

TRT#: 7

SEX: Male

DAY ON TEST: 596

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46887

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Bone		Fibrous Osteodystrophy	Minimal
* Epididymis		Atypia Cellular	
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Moderate
		Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
* Nose		Exudate	
* Pancreas		Atrophy	Mild
	Acinar Cell	Cytoplasmic Alteration	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Nervosa	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
[Inflammation TGLS = 1-8]			
* Stomach, Forestomach		Erosion	Mild
	Mucosa	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 237

TRT#: 7

SEX: Male

DAY ON TEST: 575

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46370

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Hypospermia	
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Small, Duodenum		Erosion	Minimal
* Kidney	Transit Epithe	Hyperplasia	Mild
		Mineralization	Mild
		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Mild
	[Nephropathy TGLS = 5-5,6-5]		
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-3]		
* Pancreas	Acinar Cell	Adenoma	
		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 237

TRT#: 7

SEX: Male

DAY ON TEST: 575

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46370

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ATROPHY IS ON SLIDE 21

[Adenoma TGLS = 8-21,10-7]

* Preputial Gland

Adenoma

[Adenoma TGLS = 1-8-1]

* Prostate

Inflammation

Suppurative, Mild

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-6-1]

* Testes

Interstit Cell

Adenoma

Note: INSUFFICIENT TISSUE PRESENT FOR ONE TESTIS

[Adenoma TGLS = 2-7]

* Urinary Bladder

Dilatation

Moderate

[Dilatation TGLS = 3-11]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 238

TRT#: 7

SEX: Male

DAY ON TEST: 456

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 88-45602

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Epididymis		Atypia Cellular	
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Moderate
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 5-21]			
[Hyperplasia TGLS = 5-21]			
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 2-3]			
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 239

TRT#: 7

SEX: Male

DAY ON TEST: 708

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|---------------------------|--------------------------|----------------------------|
| * Bone Marrow | * Brain | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Parathyroid Gland | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Stomach, Forestomach | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-----------------------------|----------------|-----------------------------------|-----------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| * Adrenal Medulla | | Hyperplasia | Moderate |
| * Bone | | Fibrous Osteodystrophy | Minimal |
| * Epididymis | | Hypospermia | |
| * Heart | | Cardiomyopathy | Moderate |
| | Myocardium | Mineralization | Mild |
| * Intestine Small, Duodenum | | Erosion | Mild |
| * Kidney | Transit Epithe | Hyperplasia | Mild |
| | | Mineralization | Minimal |
| | | Nephropathy | Marked |
| [Nephropathy TGLS = 3-5] | | | |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| * Mammary Gland | | Hyperplasia | Cystic, Mild |
| * Nose | | Exudate | |
| | Mucosa | Hyperplasia | Minimal |
| | Mucosa | Necrosis | Minimal |
| * Pancreas | Acinar Cell | Cytoplasmic Alteration | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Nervosa | Hyperplasia | Minimal |
| * Preputial Gland | | Inflammation | Suppurative, Moderate |
| * Prostate | | Fibrosis | Mild |
| | | Hyperplasia | Lymphoid, Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 239	TRT#: 7 DOSE: 0.50%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 708 HISTO: 88-48268
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Inflammation	Suppurative, Mild
* Stomach, Glandular [Ulcer TGLS = 5-21]		Pigmentation Ulcer	Moderate Mild
* Testes [Adenoma TGLS = 2-7] [Atrophy TGLS = 1-7]	Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: INFUSION ARTIFACT IN URINARY BLADDER

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 240

TRT#: 7

SEX: Male

DAY ON TEST: 604

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46888

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Hemorrhage	Mild
		Hydrocephalus	Mild
* Epididymis		Atypia Cellular	
* Intestine Small, Duodenum	Mucosa	Hyperplasia	Diffuse, Mild
* Kidney	Transit Epithe	Hyperplasia	Moderate
		Mineralization	Moderate
		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			
* Nose	Mucosa	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Hyperplasia	Lymphoid, Minimal
		Inflammation	Suppurative, Moderate
* Spleen		Pigmentation	Mild
* Testes	Seminif Tub	Atrophy	Moderate
[Atrophy TGLS = 2-7]			
* Thyroid Gland	Follicle	Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 240

TRT#: 7

SEX: Male

DAY ON TEST: 604

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46888

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 241

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48447

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone	Femur	Osteopetrosis	Mild
	Sternum	Osteopetrosis	Mild
* Clitoral Gland		Ectasia	Marked
		Inflammation	Chronic, Moderate
		Inflammation	Suppurative, Moderate
[Ectasia TGLS = 1-21]			
[Inflammation TGLS = 1-21]			
[Inflammation TGLS = 1-21]			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Granuloma	Moderate
		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-22]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 3-23]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 241	TRT#: 2	SEX: Female	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 88-48447

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 6-26]			

PRIMARY CAUSE OF DEATH

-

Animal Note: INFUSION ARTIFACT IN URINARY BLADDER

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 242

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48448

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Bone	Calvarium	Osteopetrosis	Mild
	Sternum	Osteopetrosis	Mild
	[Osteopetrosis TGLS = 2-21]		
	[Osteopetrosis TGLS = 2-21]		
* Clitoral Gland		Adenoma	
	[Adenoma TGLS = 4-24]		
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 5-25]	Hyperplasia	Lymphoid, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Hyperplasia	Plasma Cell, Mild
* Nose		Exudate	
		Fungus	
	Mucosa	Hyperplasia	Moderate
	Mucosa	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 242

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48448

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Urinary Bladder	Mucosa	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

Note: PORTION OF POLYP STROMAL ON SLIDE 7

[Polyp Stromal TGLS = 1-23,3-22]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 243

TRT#: 2

SEX: Female

DAY ON TEST: 627

DOSE: VEHICLE CONTROL

DISP: Natural Death

HISTO: 88-46896

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Bone Marrow | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Nose |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|--|---------------|----------------------------|---------------------|
| * Adrenal Cortex | | Hyperplasia | Focal, Minimal |
| * Bone | Calvarium | Osteopetrosis | Moderate |
| [Osteopetrosis TGLS = 6-22] | | | |
| * Brain | | Compression | |
| [Compression TGLS = 5-1-1] | | | |
| * Clitoral Gland | | Inflammation | Chronic, Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Mild |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Granuloma | Minimal |
| | | Hepatodiaphragmatic Nodule | |
| | | Mixed Cell Focus | |
| [Hepatodiaphragmatic Nodule TGLS = 3-21] | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| * Lymph Node, Mesenteric | | Hemorrhage | Moderate |
| * Mammary Gland | | Hyperplasia | Cystic, Moderate |
| [Hyperplasia TGLS = 1-8] | | | |
| * Ovary | | Cyst | |
| [Cyst TGLS = 2-7] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 243

TRT#: 2

SEX: Female

DAY ON TEST: 627

DOSE: VEHICLE CONTROL

DISP: Natural Death

HISTO: 88-46896

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-1]

* Spleen

Pigmentation

Moderate

* Uterus

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 244

TRT#: 2

SEX: Female

DAY ON TEST: 580

DOSE: VEHICLE CONTROL

DISP: Natural Death

HISTO: 88-46371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-10]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-10]			
* Bone	Calvarium	Osteopetrosis	Moderate
[Osteopetrosis TGLS = 14-22]			
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Clitoral Gland		Leukemia Mononuclear	
* Islets, Pancreatic		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
* Liver		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Leukemia Mononuclear TGLS = 9-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8,10-21]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8,10-21]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8,10-21]			
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 244

TRT#: 2

SEX: Female

DAY ON TEST: 580

DOSE: VEHICLE CONTROL

DISP: Natural Death

HISTO: 88-46371

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-7]			
* Pancreas		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7]			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
[Angiectasis TGLS = 12-1]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-1]			
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Stomach, Glandular		Erosion	Minimal
[Erosion TGLS = 13-4-1]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-3-1]			
* Urinary Bladder		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-11]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 245

TRT#: 2

SEX: Female

DAY ON TEST: 457

DOSE: VEHICLE CONTROL

DISP: Scheduled Sacrifice

HISTO: 88-45603

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Granuloma	Mild
		Hyperplasia	Lymphoid, Minimal
* Lung		Hyperplasia	Lymphoid, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8,1-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Angiectasis	Mild
[Adenoma TGLS = 3-1]			
* Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 246

TRT#: 2

SEX: Female

DAY ON TEST: 428

DOSE: VEHICLE CONTROL

DISP: Natural Death

HISTO: 88-45511

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Lung		Congestion	Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 1-8]			
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Nose	Mucosa	Hyperplasia	Mild
* Ovary		Cyst	
[Cyst TGLS = 2-7]			
* Pituitary Gland	Pars Distalis	Cyst	
* Spleen		Congestion	Moderate
		Pigmentation	Moderate
* Thymus		Congestion	Moderate
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 3-21]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 247

TRT#: 2

SEX: Female

DAY ON TEST: 524

DOSE: VEHICLE CONTROL

DISP: Natural Death

HISTO: 88-45820

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone	Calvarium	Osteopetrosis	Moderate
	Femur	Osteopetrosis	Moderate
	Sternum	Osteopetrosis	Moderate
	[Osteopetrosis TGLS = 6-22]		
	[Osteopetrosis TGLS = 6-22]		
	[Osteopetrosis TGLS = 6-22]		
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Mineralization	Moderate
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Marked
Note: MINERALIZATION IS NEAR JUNCTION OF CORTEX AND MEDULLA			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Leukemia Mononuclear TGLS = 4-6]		
	[Vacuolization Cytoplasmic TGLS = 4-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 247	TRT#: 2	SEX: Female	DAY ON TEST: 524
	DOSE: VEHICLE CONTROL	DISP: Natural Death	HISTO: 88-45820

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Hemorrhage	Moderate
		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 5-1]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
	[Hematopoietic Cell Proliferation TGLS = 1-6]		
	[Leukemia Mononuclear TGLS = 1-6]		

PRIMARY CAUSE OF DEATH

-

Animal Note: POST MORTEM CHANGE; NOT CODED

Animal Note: NODE, LIVER & ADRENAL GLAND

Animal Note: NO SKIN REMAINING ON BONES OF TAIL ON SLIDE 21

Animal Note: NECROSIS ASSOC. W/ LEUKEMIA IN HEART, LYMPH

Animal Note: BACTERIAL CLUMPS IN SEVERAL ORGANS; CONSIDERED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 248

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48449

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Focal, Marked
		Leukemia Mononuclear	
* Lung		Fibrosarcoma	Metastatic (Skin)
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Ectasia	Mild
		Hyperplasia	Plasma Cell, Mild
		Hyperplasia	Cystic, Mild
* Mammary Gland			
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	Subcut Tiss	Fibrosarcoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 248

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48449

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 3-6]

[Leukemia Mononuclear TGLS = 3-6]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 249

TRT#: 2

SEX: Female

DAY ON TEST: 589

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-46440

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|--------------------------|----------------------------|------------------------|
| * Adrenal Medulla | * Bone | * Clitoral Gland | * Esophagus |
| * Intestine Large, Cecum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|-----------------------------|---------------|-----------------------------------|---------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| | | Adenoma | |
| | | Atrophy | Moderate |
| | | Metaplasia | Osseous, Mild |
| [Adenoma TGLS = 7-23] | | | |
| [Atrophy TGLS = 8-10] | | | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Compression | |
| [Compression TGLS = 13-1] | | | |
| * Heart | | Leukemia Mononuclear | |
| * Intestine Large, Colon | | Parasite Metazoan | |
| * Intestine Large, Rectum | | Parasite Metazoan | |
| * Intestine Small, Duodenum | | Leukemia Mononuclear | |
| * Kidney | | Mineralization | Moderate |
| | | Nephropathy | Minimal |
| | Renal Tubule | Pigmentation | Moderate |
| | Centrilobular | Atrophy | Mild |
| | | Basophilic Focus | |
| | Bile Duct | Cyst | |
| | | Hematopoietic Cell Proliferation | Mild |
| | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 249

TRT#: 2

SEX: Female

DAY ON TEST: 589

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-46440

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 10-24]			
[Hepatodiaphragmatic Nodule TGLS = 11-25]			
[Leukemia Mononuclear TGLS = 9-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7]			
[Leukemia Mononuclear TGLS = 6-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 2-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 12-1]			
* Spleen		Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-22]			
[Hematopoietic Cell Proliferation TGLS = 4-6-1]			
[Leukemia Mononuclear TGLS = 4-6-1]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 250

TRT#: 2

SEX: Female

DAY ON TEST: 457

DOSE: VEHICLE CONTROL

DISP: Scheduled Sacrifice

HISTO: 88-45604

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
		Angiectasis	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Granuloma	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 2-22]	Hepatodiaphragmatic Nodule	
* Lung		Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLS = 3-2-1]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-21]		
* Pituitary Gland	Pars Distalis	Cyst	
* Spleen		Pigmentation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 251

TRT#: 2

SEX: Female

DAY ON TEST: 594

DOSE: VEHICLE CONTROL

DISP: Natural Death

HISTO: 88-46462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
* Liver		Hepatodiaphragmatic Nodule	
	Lobules	Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 5-21]	Necrosis	Moderate
* Lung		Leukemia Mononuclear	
		Thrombosis	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8]		
* Mammary Gland		Hyperplasia	Cystic, Mild
	[Hyperplasia TGLS = 1-8]		
* Pancreas		Atrophy	Mild
	Acinar Cell	Cytoplasmic Alteration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 251

TRT#: 2

SEX: Female

DAY ON TEST: 594

DOSE: VEHICLE CONTROL

DISP: Natural Death

HISTO: 88-46462

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

Necrosis

Moderate

Pigmentation

Moderate

[Leukemia Mononuclear TGLS = 4-6]

* Stomach, Forestomach

Ulcer

Moderate

[Ulcer TGLS = 7-4-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 252

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48450

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone	Calvarium	Osteopetrosis	Mild
	Femur	Osteopetrosis	Mild
	Sternum	Osteopetrosis	Mild
	[Osteopetrosis TGLS = 6-23]		
	[Osteopetrosis TGLS = 6-23]		
	[Osteopetrosis TGLS = 6-23]		
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
	[Nephropathy TGLS = 4-5]		
* Liver		Basophilic Focus	
	Note: BASOPHILIC FOCI ALSO ON SLIDE 6		
	[Basophilic Focus TGLS = 10-6-1]		
* Lung		Carcinoma	Metastatic (Zymbal'S Gland)
	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
	[Carcinoma TGLS = 9-2-1]		
* Lymph Node, Mandibular		Carcinoma	Metastatic (Zymbal'S Gland)
		Hyperplasia	Plasma Cell, Mild
		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Adenoma	
		Hyperplasia	Lobular, Moderate
		Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 252

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48450

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8,2-21]			
[Hyperplasia TGLS = 1-8,2-21]			
* Ovary		Cyst	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
[Angiectasis TGLS = 7-1]			
[Hyperplasia TGLS = 7-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
Zymbal's Gland		Carcinoma	
Note: MESENCHYMAL APPEARANCE			
Note: PORTION OF CARCINOMA HIGHLY ANAPLASTIC WITH A			
[Carcinoma TGLS = 5-22]			

PRIMARY CAUSE OF DEATH

-

Animal Note: INFUSION ARTIFACT IN URINARY BLADDER

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 253

TRT#: 2

SEX: Female

DAY ON TEST: 226

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 87-45213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Intestine Large, Cecum [Dilatation TGLS = 3-4]		Dilatation	Moderate
* Intestine Small, Jejunum [Dilatation TGLS = 2-4]		Dilatation	Mild
* Kidney Note: MINERALIZATION IS AT CORTICO-MEDULLARY JUNCTION AND OUTER Note: MEDULLA		Mineralization	Moderate
* Liver Note: THE FIBROSARCOMA APPEARS TO BE IN AN EARLY STAGE [Fibrosarcoma TGLS = 5-22] [Hepatodiaphragmatic Nodule TGLS = 4-21]		Fibrosarcoma Hepatodiaphragmatic Nodule	
Lymph Node [Hemorrhage TGLS = 6-3]	Mediastinal	Hemorrhage	Minimal
* Nose		Exudate Fungus	
	Mucosa	Hyperplasia	Moderate
	Mucosa	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Spleen		Pigmentation	Mild
* Stomach, Forestomach		Edema	Mild
		Erosion	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 253

TRT#: 2

SEX: Female

DAY ON TEST: 226

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 87-45213

ORGAN AND ACCOUNTABLE SITE STATUS

Mucosa

Hyperplasia
Inflammation

Mild
Subacute, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 254

TRT#: 2

SEX: Female

DAY ON TEST: 637

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-47024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Vagina

OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-21]		
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Minimal
	[Angiectasis TGLS = 3-1]		
	[Hyperplasia TGLS = 3-1]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Leiomyoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 255

TRT#: 2

SEX: Female

DAY ON TEST: 680

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-48269

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Brain | * Clitoral Gland | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Trachea | | | |

OBSERVATIONS

- | | | | |
|--|---|--|-----------------|
| * Adrenal Cortex | | Leukemia Mononuclear
Vacuolization Cytoplasmic | Focal, Minimal |
| [Leukemia Mononuclear TGLS = 11-10] | | | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 11-10] | | | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | Renal Tubule | Cytoplasmic Alteration
Leukemia Mononuclear
Mineralization | Mild
Mild |
| | Renal Tubule | Nephropathy
Pigmentation | Minimal
Mild |
| * Liver | Hepatocyte | Leukemia Mononuclear
Vacuolization Cytoplasmic | Mild |
| [Leukemia Mononuclear TGLS = 12-6] | | | |
| * Lung | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 18-2,18-2-1] | | | |
| Lymph Node | Axillary
Deep Cervical
Iliac
Renal | Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 17-25,13-23,19-5,14-24,4-8,3-22,2-21] | | | |
| [Leukemia Mononuclear TGLS = 17-25,13-23,19-5,14-24,4-8,3-22,2-21] | | | |
| [Leukemia Mononuclear TGLS = 17-25,13-23,19-5,14-24,4-8,3-22,2-21] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 255

TRT#: 2

SEX: Female

DAY ON TEST: 680

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-48269

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 17-25,13-23,19-5,14-24,4-8,3-22,2-21]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 17-25,13-23,19-5,14-24,4-8,3-22,2-21]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 17-25,13-23,19-5,14-24,4-8,3-22,2-21]			
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-8]			
* Ovary		Cyst	
		Leukemia Mononuclear	
[Cyst TGLS = 6-7-1]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 16-1]			
[Leukemia Mononuclear TGLS = 16-1]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-6-1]			
* Stomach, Glandular		Erosion	Minimal
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 15-3]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-11]			
* Uterus		Leukemia Mononuclear	
		Polyp Stromal	
[Leukemia Mononuclear TGLS = 8-7,9-7]			
[Polyp Stromal TGLS = 8-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 256

TRT#: 2

SEX: Female

DAY ON TEST: 591

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-46463

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Brain | * Clitoral Gland | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Ovary | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|---|---------------|---|-----------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule
Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-10,6-10] | | | |
| * Adrenal Medulla | | Leukemia Mononuclear
Pheochromocytoma Benign | |
| [Leukemia Mononuclear TGLS = 6-10,6-10] | | | |
| * Bone | Calvarium | Osteopetrosis | Moderate |
| [Osteopetrosis TGLS = 10-24] | | | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Minimal |
| * Intestine Large, Colon | | Parasite Metazoan | |
| * Kidney | | Mineralization | Moderate |
| | | Nephropathy | Mild |
| | Renal Tubule | Pigmentation | Moderate |
| * Liver | | Angiectasis | Moderate |
| | Centrilobular | Atrophy | Mild |
| | | Basophilic Focus | |
| | | Hyperplasia | Focal, Moderate |
| | | Leukemia Mononuclear | |
| [Angiectasis TGLS = 7-21] | | | |
| [Hyperplasia TGLS = 9-23] | | | |
| [Leukemia Mononuclear TGLS = 8-22] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 256	TRT#: 2	SEX: Female	DAY ON TEST: 591
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-46463

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			
* Nose		Exudate	
		Foreign Body	Mild
	Mucosa	Hyperplasia	Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Stomach, Glandular		Erosion	Minimal
* Uterus		Carcinoma	
		Hydrometra	Mild
[Carcinoma TGLS = 4-7]			
[Hydrometra TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 257

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48451

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Moderate
* Brain		Compression	
Note: SMALL AMOUNT OF PIGMENT ASSOC. W/ COMPRESSION; NOT CODED			
[Compression TGLS = 5-1-1]			
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 3-21]			
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Cyst	
		Hyperplasia	Focal, Moderate
[Cyst TGLS = 8-24]			
[Hyperplasia TGLS = 11-27,12-28]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Lobular, Minimal
* Nose	Mucosa	Hyperplasia	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach	Mucosa	Hyperplasia	Mild
[Hyperplasia TGLS = 13-29]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 257

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48451

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 258

TRT#: 2

SEX: Female

DAY ON TEST: 457

DOSE: VEHICLE CONTROL

DISP: Scheduled Sacrifice

HISTO: 88-45605

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Bone Marrow		Myelofibrosis	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Granuloma	Minimal
		Inflammation	Subacute, Minimal
		Cyst	
* Ovary			
[Cyst TGLS = 1-7]			
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 259

TRT#: 2

SEX: Female

DAY ON TEST: 554

DOSE: VEHICLE CONTROL

DISP: Natural Death

HISTO: 88-46372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone	Calvarium	Osteopetrosis	Mild
	Femur	Osteopetrosis	Mild
	[Osteopetrosis TGLS = 3-23]		
	[Osteopetrosis TGLS = 3-23]		
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
	Note: MINERALIZATION IS IN INNER CORTEX		
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Note: BASOPHILIC FOCUS IS ON SLIDE 22		
	Note: DIFFUSE GLYCOGEN DEPLETION; NOT CODED		
	[Hepatodiaphragmatic Nodule TGLS = 2-22]		
* Mammary Gland		Hyperplasia	Cystic, Mild
	[Hyperplasia TGLS = 1-21]		
* Nose		Exudate	
		Fungus	
	Mucosa	Hyperplasia	Mild
	Mucosa	Metaplasia	Squamous, Mild
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Moderate
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 259

TRT#: 2

SEX: Female

DAY ON TEST: 554

DOSE: VEHICLE CONTROL

DISP: Natural Death

HISTO: 88-46372

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 260

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48452

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Minimal
* Bone	Calvarium	Osteopetrosis	Mild
	Femur	Osteopetrosis	Mild
	Sternum	Osteopetrosis	Mild
[Osteopetrosis TGLS = 6-24]			
[Osteopetrosis TGLS = 6-24]			
[Osteopetrosis TGLS = 6-24]			
* Clitoral Gland		Inflammation	Chronic, Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Inflammation	Subacute, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Lobular, Minimal
		Hyperplasia	Cystic, Minimal
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 2-8]			
[Hyperplasia TGLS = 2-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 260	TRT#: 2	SEX: Female	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 88-48452

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
[Adenoma TGLS = 5-1]			
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Moderate
* Spleen		Pigmentation	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: URINARY BLADDER HAS INFUSION ARTIFACT

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 261

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48453

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	Vaginal	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone	Calvarium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 7-24]			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney	Renal Tubule	Cytoplasmic Alteration	Mild
		Mineralization	Mild
	Renal Tubule	Nephropathy	Minimal
		Pigmentation	Mild
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-21]		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal

Note: CYST IS FILLED WITH OLD HEMORRHAGE & PROTEINACEOUS MATERIAL

[Adenoma TGLS = 8-1]

[Cyst TGLS = 8-1]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 261	TRT#: 2	SEX: Female	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 88-48453

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Acanthosis	Mild
		Exudate	
	[Acanthosis TGLS = 6-23]		
	[Exudate TGLS = 6-23]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 3-22]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 262

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48454

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Basophilic Focus	
* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
[Clear Cell Focus TGLS = 2-21]			
* Ovary		Cyst	
[Cyst TGLS = 1-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 263

TRT#: 2

SEX: Female

DAY ON TEST: 457

DOSE: VEHICLE CONTROL

DISP: Scheduled Sacrifice

HISTO: 88-45606

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Subacute, Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 264

TRT#: 2

SEX: Female

DAY ON TEST: 695

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-48455

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Parathyroid Gland	* Skin	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Necrosis	Moderate
* Brain		Compression	
[Compression TGLS = 7-1-1]			
* Clitoral Gland		Adenoma	
Note: ECTASIA & SUPPURATIVE INFLAMM. ASSOC. W/ ADENOMA NOT CODED			
[Adenoma TGLS = 2-8]			
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Granuloma	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Clear Cell Focus TGLS = 5-23]			
* Mammary Gland		Carcinoma	
		Fibroadenoma	
		Hyperplasia	Cystic, Minimal
[Carcinoma TGLS = 4-22]			
[Fibroadenoma TGLS = 3-21]			
[Hyperplasia TGLS = 1-8]			
* Nose		Exudate	
* Pancreas		Atrophy	Minimal
	Acinar Cell	Cytoplasmic Alteration	Moderate
* Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLS = 6-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 264	TRT#: 2	SEX: Female	DAY ON TEST: 695
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-48455

ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands		Atrophy	Moderate
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach		Edema	Mild
	Mucosa	Hyperplasia	Minimal
		Ulcer	Moderate
	[Edema TGLS = 8-4,8-4-1]		
	[Ulcer TGLS = 10-4,10-4-1]		
* Stomach, Glandular		Erosion	Moderate
	[Erosion TGLS = 11-24]		

PRIMARY CAUSE OF DEATH -

Animal Note: INFUSION ARTIFACT IN URINARY BLADDER

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 265

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48456

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Bone	Calvarium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 7-22]			
* Brain		Compression	
[Compression TGLS = 6-1-1]			
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Infarct	Mild
		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Angiectasis	Mild
	Bile Duct	Basophilic Focus	
[Angiectasis TGLS = 4-6,4-21]		Hyperplasia	Minimal
[Leukemia Mononuclear TGLS = 4-6,4-21,8-23]		Leukemia Mononuclear	
* Lymph Node, Mandibular		Pigmentation	Mild
[Pigmentation TGLS = 2-8]			
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 265

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48456

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-6]

* Thyroid Gland

C Cell

Pigmentation

Mild

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 266

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48457

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus
Vagina			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone	Calvarium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 7-23]			
* Brain		Compression	
		Hydrocephalus	Mild
[Compression TGLS = 6-1]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Subacute, Minimal
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Mixed Cell Focus TGLS = 4-22]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Adenoma	
		Hyperplasia	Cystic, Minimal
[Adenoma TGLS = 1-21]			
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 266

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48457

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-1]

* Spleen

Leukemia Mononuclear

Pigmentation

Moderate

* Stomach, Forestomach

Ulcer

Mild

[Ulcer TGLS = 8-4-1]

PRIMARY CAUSE OF DEATH

-

Animal Note: VACUOLIZ CYTO IS WITHIN THE ACC ADR COR NOD

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 267

TRT#: 2

SEX: Female

DAY ON TEST: 603

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-46897

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Uterus

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Pigmentation	Moderate
[Pigmentation TGLS = 3-10]			
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear Myelofibrosis	Moderate
* Heart		Leukemia Mononuclear	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Marked
* Liver	Centrilobular	Atrophy	Moderate
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 5-21,6-22]			
[Leukemia Mononuclear TGLS = 4-6-1,10-23]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-5]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-5]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-5]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 267	TRT#: 2	SEX: Female	DAY ON TEST: 603
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-46897

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Hyperplasia	Cystic, Minimal
* Ovary		Granulosa Cell Tumor Benign	
	[Granulosa Cell Tumor Benign TGLS = 1-7]		
* Pituitary Gland	Pars Distalis	Cyst	
		Leukemia Mononuclear	
		Pigmentation	Moderate
	[Cyst TGLS = 8-1]		
* Spleen		Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
	[Fibrosis TGLS = 11-24]		
	[Hematopoietic Cell Proliferation TGLS = 2-6]		
	[Leukemia Mononuclear TGLS = 2-6]		
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 268

TRT#: 2

SEX: Female

DAY ON TEST: 457

DOSE: VEHICLE CONTROL

DISP: Scheduled Sacrifice

HISTO: 88-45607

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Focal, Minimal
* Bone Marrow		Myelofibrosis	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Granuloma	Mild
		Inflammation	Subacute, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
* Spleen		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 269

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48458

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- | | | | |
|---|---------------|-----------------------------------|----------------------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| | | Angiectasis | Mild |
| * Kidney | | Mineralization | Moderate |
| | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Hyperplasia | Focal, Mild |
| | | Mixed Cell Focus | |
| Note: BASOPHILIC FOCUS WITHIN FOCAL HYPERPLASIA ON SLIDE 26 | | | |
| | | | [Hyperplasia TGLS = 8-26] |
| | | | [Hyperplasia TGLS = 8-26] |
| | | | [Mixed Cell Focus TGLS = 6-25] |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| * Mammary Gland | | Hyperplasia | Cystic, Mild |
| | | | [Hyperplasia TGLS = 3-8] |
| Mesentery | Fat | Necrosis | Moderate |
| | | | [Necrosis TGLS = 4-23,5-24] |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | | | [Adenoma TGLS = 7-1] |
| * Spleen | | Pigmentation | Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 270

TRT#: 2

SEX: Female

DAY ON TEST: 625

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-46898

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone	Calvarium	Osteopetrosis	Moderate
	Femur	Osteopetrosis	Marked
	Sternum	Osteopetrosis	Marked
		[Osteopetrosis TGLS = 7-25]	
		[Osteopetrosis TGLS = 7-25]	
		[Osteopetrosis TGLS = 7-25]	
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
		[Cataract TGLS = 1-21]	
* Intestine Large, Rectum		Parasite Metazoan	
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Granuloma	Minimal
		Mixed Cell Focus	
		[Mixed Cell Focus TGLS = 4-24,5-6]	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Carcinoma	
		Fibroadenoma	
		Hyperplasia	Cystic, Minimal
		[Carcinoma TGLS = 2-22]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 270	TRT#: 2	SEX: Female	DAY ON TEST: 625
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-46898

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 3-23]			
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	
Note: MULTIPLE CYSTS PRESENT, SOME PARTIALLY FILLED W/ BLOOD			
[Cyst TGLS = 8-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 6-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 271

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48459

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Vacuolization Cytoplasmic Compression	Focal, Mild
* Brain			
[Compression TGLS = 4-1]			
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 3-2-1]			
* Mammary Gland		Hyperplasia	Cystic, Mild
		Hyperplasia	Lobular, Moderate
Note: LOBULAR HYPERPLASIA ALSO ON SLIDE 8			
[Hyperplasia TGLS = 6-22, 1-8]			
[Hyperplasia TGLS = 6-22, 1-8]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 2-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Angiectasis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 271	TRT#: 2	SEX: Female	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 88-48459

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Hyperplasia	Minimal
Note: TWO ADENOMAS ARE PRESENT IN THE PARS DISTALIS [Adenoma TGLS = 5-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 272

TRT#: 2

SEX: Female

DAY ON TEST: 457

DOSE: VEHICLE CONTROL

DISP: Scheduled Sacrifice

HISTO: 88-45608

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Moderate
		Nephropathy	Moderate
Note: MEDULLA			
Note: MINERALIZATION AT CORTICO-MEDULLARY JUNCTION AND OUTER			
* Liver		Basophilic Focus	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLS = 3-1]			
* Spleen		Pigmentation	Mild
* Stomach, Glandular	Epithelium	Dilatation	Mild
* Uterus		Hydrometra	Mild
[Hydrometra TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 273

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48460

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia Vacuolization Cytoplasmic Compression	Focal, Mild Focal, Mild
* Brain [Compression TGLS = 7-1]			
* Kidney		Mineralization Nephropathy Clear Cell Focus Granuloma Inflammation	Mild Mild Moderate Subacute, Mild
* Liver [Clear Cell Focus TGLS = 5-21]			
* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular Ectasia Hyperplasia Hyperplasia	Minimal Histiocyte, Minimal Mild Plasma Cell, Mild Cystic, Mild
* Lymph Node, Mandibular			
* Mammary Gland [Hyperplasia TGLS = 1-8]			
* Ovary [Cyst TGLS = 4-7]		Cyst	
* Pituitary Gland Note: TWO ADENOMAS ARE PRESENT IN THE PARS DISTALIS [Adenoma TGLS = 8-1]	Pars Distalis	Adenoma	
* Spleen		Infiltration Cellular Pigmentation	Histiocyte, Mild Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 273	TRT#: 2	SEX: Female	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 88-48460

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HISTIOCYTIC INFILTRATE INVOLVES LYMPHOID FOLLICLE

* Stomach, Forestomach		Edema	Mild
	Mucosa	Hyperplasia	Moderate
[Hyperplasia TGLS = 9-22]			
* Stomach, Glandular		Edema	Mild
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Mild
[Adenoma TGLS = 2-3]			
[Adenoma TGLS = 2-3]			
* Uterus		Hydrometra	Mild
[Hydrometra TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 274

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Thymus	* Thyroid Gland	* Trachea

INSUFFICIENT TISSUE

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone	Calvarium	Osteopetrosis	Moderate
	Femur	Osteopetrosis	Moderate
	Sternum	Osteopetrosis	Moderate
	[Osteopetrosis TGLS = 9-23]		
	[Osteopetrosis TGLS = 9-23]		
	[Osteopetrosis TGLS = 9-23]		
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-24]		
* Kidney		Mineralization	Mild
		Nephropathy	Mild
	[Nephropathy TGLS = 5-5]		
* Liver	Centrilobular	Atrophy	Mild
		Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Leukemia Mononuclear TGLS = 7-6]		
	[Vacuolization Cytoplasmic TGLS = 7-6,8-22]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 274

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48461

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-21,12-25]		
	[Leukemia Mononuclear TGLS = 6-21,12-25]		
	[Leukemia Mononuclear TGLS = 6-21,12-25]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-21,12-25]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-21,12-25]		
* Mammary Gland		Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLS = 1-8]		
* Nose		Exudate	
		Fungus	
	Mucosa	Metaplasia	Squamous, Minimal
		Cyst	
* Ovary			
	[Cyst TGLS = 2-7]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 11-1]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6-1]		
* Stomach, Forestomach		Edema	Moderate
	Mucosa	Hyperplasia	Mild
* Stomach, Glandular		Ulcer	Mild
* Urinary Bladder		Inflammation	Suppurative, Minimal
	Note: INFLAMMATION INVOLVES THE SEROSA		
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 275

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Vagina

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 4-23]		
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 1-21]		
* Pituitary Gland	Pars Distalis	Adenoma	
	Note: TWO ADENOMAS ARE PRESENT IN THE PARS DISTALIS		
	[Adenoma TGLS = 5-1]		
* Spleen		Leukemia Mononuclear	
		Pigmentation	Mild
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
		Ultimobranchial Cyst	
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 275

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48462

ORGAN AND ACCOUNTABLE SITE STATUS

Note: STROMAL POLYP HAS UNDERGONE NECROSIS

[Polyp Stromal TGLS = 2-22]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 276

TRT#: 2

SEX: Female

DAY ON TEST: 457

DOSE: VEHICLE CONTROL

DISP: Scheduled Sacrifice

HISTO: 88-45609

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 4-22]			
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Skin		Acanthosis	Minimal
[Acanthosis TGLS = 1-21,2-8]			
* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Adenoma	
		Polyp Stromal	
[Polyp Stromal TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 277

TRT#: 2

SEX: Female

DAY ON TEST: 723

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-48463

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone	Calvarium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 8-25]			
* Brain		Compression	
[Compression TGLS = 10-1,10-1-1]		Hydrocephalus	Mild
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-21]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 5-24]			
* Kidney		Mineralization	Mild
[Nephropathy TGLS = 6-5]		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Cyst	
* Mammary Gland		Carcinoma	
		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
[Carcinoma TGLS = 4-23]			
[Fibroadenoma TGLS = 3-22]			
[Hyperplasia TGLS = 2-8]			
* Pancreas		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 277	TRT#: 2	SEX: Female	DAY ON TEST: 723
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-48463

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland Note: HYPERPLASIA IS FOCAL IN NATURE [Hyperplasia TGLS = 7-3]		Hyperplasia	Mild
* Pituitary Gland [Adenoma TGLS = 9-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Mild
* Stomach, Forestomach [Ulcer TGLS = 11-4-1]	Mucosa	Hyperplasia Ulcer	Mild Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 278

TRT#: 2

SEX: Female

DAY ON TEST: 547

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-46273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Mild
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Mild
* Clitoral Gland		Inflammation	Suppurative, Mild
[Inflammation TGLS = 3-8-1]			
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
[Cataract TGLS = 1-21]			
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver	Centrilobular	Atrophy	Mild
		Leukemia Mononuclear	
	Lobules	Necrosis	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Leukemia Mononuclear TGLS = 8-6]			
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
Note: HISTIOCYTIC CELL INFILTRATE IS DIFFUSE			
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 10-3,4-8]			
* Lymph Node, Mandibular		Hemorrhage	Minimal
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 278

TRT#: 2

SEX: Female

DAY ON TEST: 547

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-46273

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLS = 10-3,4-8] [Pigmentation TGLS = 4-8,9-5]			
* Lymph Node, Mesenteric		Leukemia Mononuclear Pigmentation	Mild
[Leukemia Mononuclear TGLS = 9-5] [Pigmentation TGLS = 4-8,9-5]			
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 12-1,13-1]			
* Spleen		Hematopoietic Cell Proliferation Leukemia Mononuclear	Moderate
[Hematopoietic Cell Proliferation TGLS = 7-6] [Leukemia Mononuclear TGLS = 7-6]			
* Stomach, Forestomach	Mucosa	Hyperplasia Ulcer	Moderate Moderate
[Ulcer TGLS = 15-23,15-4,14-22,14-4]			
* Stomach, Glandular		Ulcer	Mild
[Ulcer TGLS = 15-23,15-4,14-22,14-4]			
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 279

TRT#: 2

DOSE: VEHICLE CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 645

HISTO: 88-47049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Bone	Femur	Osteopetrosis	Moderate
* Brain		Compression	
[Compression TGLS = 3-1]			
* Clitoral Gland		Adenoma	
		Inflammation	Suppurative, Mild
		Inflammation	Chronic, Mild
[Adenoma TGLS = 2-8]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Cytoplasmic Alteration	Moderate
		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Granuloma	Minimal
Note: BASOPHILIC FOCI ALSO ON SLIDE 6			
[Basophilic Focus TGLS = 6-22]			
* Lung		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Subacute, Minimal
Note: MILD FIBROSIS ASSOC. W/ INFLAMM. & CELLULAR INFILTRATE			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 5-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 279	TRT#: 2	SEX: Female	DAY ON TEST: 645
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-47049

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 280

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48464

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- | | | | |
|---|---------------|----------------------------------|-------------------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Kidney | | Mineralization | Mild |
| | | Nephropathy | Minimal |
| * Liver | | Angiectasis | Minimal |
| | | Basophilic Focus | |
| | | Inflammation | Subacute, Minimal |
| | Lobules | Necrosis | Minimal |
| | Kupffer Cell | Pigmentation | Minimal |
| [Angiectasis TGLS = 3-21] | | | |
| * Mammary Gland | | Hyperplasia | Cystic, Mild |
| | | Hyperplasia | Lobular, Mild |
| [Hyperplasia TGLS = 4-8] | | | |
| [Hyperplasia TGLS = 4-8] | | | |
| * Ovary | | Cyst | |
| [Cyst TGLS = 1-7] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| [Hematopoietic Cell Proliferation TGLS = 2-6] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 281

TRT#: 2

SEX: Female

DAY ON TEST: 457

DOSE: VEHICLE CONTROL

DISP: Scheduled Sacrifice

HISTO: 88-45610

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Granuloma	Mild
		Hepatodiaphragmatic Nodule	
		Inflammation	Subacute, Mild
[Hepatodiaphragmatic Nodule TGLS = 2-21]			
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery		Accessory Spleen	
[Accessory Spleen TGLS = 1-22]			
* Pituitary Gland	Pars Intermed	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 282

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48465

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Vacuolization Cytoplasmic Compression	Focal, Minimal
* Brain			
[Compression TGLS = 5-1-1]			
* Clitoral Gland		Inflammation	Chronic, Mild
* Kidney		Mineralization Nephropathy	Minimal Mild
* Liver		Basophilic Focus Clear Cell Focus Hyperplasia	Focal, Moderate
Note: BASOPHILIC FOCI ARE ON SEVERAL DIFFERENT LIVER SECTIONS			
Note: CLEAR CL FOCUS IS ON SLIDE 21			
[Hyperplasia TGLS = 4-21,10-25]			
* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular	Mild Histiocyte, Mild
[Hyperplasia TGLS = 11-26]			
[Infiltration Cellular TGLS = 11-26]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 282

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48465

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 283

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48466

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone	Sternum	Osteopetrosis	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hyperplasia	Focal, Mild
	[Hyperplasia TGLS = 4-22,5-23]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1-21]		
	[Hyperplasia TGLS = 2-8]		
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Intermed	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 3-7-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 283

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48466

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 284

TRT#: 2

SEX: Female

DAY ON TEST: 650

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-48270

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Ovary
* Skin	* Stomach, Glandular	* Thymus	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Diffuse, Moderate
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
	Hepatocyte	Vacuolization Cytoplasmic	Marked
	[Hepatodiaphragmatic Nodule TGLS = 4-21]		
	[Vacuolization Cytoplasmic TGLS = 3-6]		
* Lung		Foreign Body	Minimal
		Inflammation	Suppurative, Moderate
	Note: MILD GRANULOMATOUS REACTION ASSOC. W/ FOREIGN BODY		
	[Inflammation TGLS = 7-2,7-2-1]		
* Lymph Node, Mandibular		Pigmentation	Moderate
* Mammary Gland		Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLS = 2-8]		
* Nose		Exudate	
		Foreign Body	Mild
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
	[Adenoma TGLS = 6-1]		
	[Cyst TGLS = 6-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 284	TRT#: 2	SEX: Female	DAY ON TEST: 650
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-48270

ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands		Atrophy	Mild
* Spleen	Lymph Follic	Atrophy	Moderate
		Pigmentation	Moderate
* Stomach, Forestomach	Mucosa	Hyperplasia	Minimal
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 5-3]			
* Trachea	Mucosa	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: PARATHYROID GL OBSCURED BY THYROID MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 285

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48467

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Bone	Calvarium	Osteopetrosis	Moderate
	Femur	Osteopetrosis	Moderate
	Sternum	Osteopetrosis	Moderate
	[Osteopetrosis TGLS = 7-24]		
	[Osteopetrosis TGLS = 7-24]		
	[Osteopetrosis TGLS = 7-24]		
* Brain		Compression	
	[Compression TGLS = 8-1-1]		
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Moderate
		Nephropathy	Moderate
	[Nephropathy TGLS = 3-5]		
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	[Angiectasis TGLS = 5-23]		
	[Hepatodiaphragmatic Nodule TGLS = 4-22]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
	[Hyperplasia TGLS = 6-2-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 285	TRT#: 2	SEX: Female	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 88-48467

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Hyperplasia TGLS = 1-8]		Hyperplasia	Cystic, Minimal
Mesentery [Necrosis TGLS = 2-21]	Fat	Necrosis	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland [Adenoma TGLS = 9-1]	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Cyst	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 286

TRT#: 2

SEX: Female

DAY ON TEST: 457

DOSE: VEHICLE CONTROL

DISP: Scheduled Sacrifice

HISTO: 88-45611

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
[Adenoma TGLS = 1-1]			
* Spleen		Pigmentation	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 287	TRT#: 2	SEX: Female	DAY ON TEST: 604
	DOSE: VEHICLE CONTROL	DISP: Natural Death	HISTO: 88-46899

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 8-1]	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 288

TRT#: 2

SEX: Female

DAY ON TEST: 576

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-46393

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Atrophy	Marked
		Pigmentation	Moderate
[Atrophy TGLS = 4-10]			
* Clitoral Gland		Necrosis	Moderate
[Necrosis TGLS = 2-8-1]			
* Intestine Small, Jejunum		Inflammation	Subacute, Marked
[Inflammation TGLS = 5-21]			
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
	Interstit Tiss	Pigmentation	Mild
	Renal Tubule	Pigmentation	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Subacute, Mild
Lymph Node	Mediastinal	Hyperplasia	Histiocytic, Moderate
	Pancreatic	Hyperplasia	Lymphoid, Mild
	Mediastinal	Pigmentation	Moderate
	Pancreatic	Pigmentation	Moderate
[Hyperplasia TGLS = 7-7]			
[Hyperplasia TGLS = 7-7]			
* Lymph Node, Mandibular		Hyperplasia	Histiocytic, Moderate
[Hyperplasia TGLS = 7-7]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
		Hyperplasia	Histiocytic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 288	TRT#: 2	SEX: Female	DAY ON TEST: 576
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 88-46393

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 7-7,7-7] [Hyperplasia TGLS = 7-7,7-7]		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Atrophy	Marked
		Pigmentation	Marked
Note: PIGMENT APPEARS TO BE HEMOSIDERIN WITHIN MACROPHAGES [Atrophy TGLS = 6-1]			
* Skin		Acanthosis	Moderate
		Exudate	
		Inflammation	Subacute, Moderate
[Acanthosis TGLS = 1-22] [Exudate TGLS = 1-22] [Inflammation TGLS = 1-22]			
* Spleen		Pigmentation	Moderate
* Stomach, Glandular		Edema	Mild
* Thyroid Gland	Follicle	Cyst	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 289

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48468

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex	Vacuolization Cytoplasmic	Focal, Moderate
* Brain	Compression	
[Compression TGLS = 6-1-1]		
* Kidney	Mineralization	Moderate
	Nephropathy	Mild
* Liver	Basophilic Focus	
	Clear Cell Focus	
	Granuloma	Minimal
	Hepatodiaphragmatic Nodule	
	Hyperplasia	Focal, Moderate
Note: CLEAR CELL FOCI PRESENT ON SLIDE 22		
Note: BASOPHILIC FOCI ARE PRESENT ON SLIDES 24 AND 25		
[Hepatodiaphragmatic Nodule TGLS = 4-22]		
[Hyperplasia TGLS = 8-24,9-25]		
* Lung	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric	Hemorrhage	Minimal
* Mammary Gland	Carcinoma	
	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 2-8]		
* Nose	Foreign Body	Minimal
* Ovary	Cyst	
[Cyst TGLS = 3-7]		
* Pancreas	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 289	TRT#: 2	SEX: Female	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 88-48468

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Angiectasis	Mild
[Adenoma TGLS = 7-1]			
[Angiectasis TGLS = 7-1]			
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 1-21]			
* Spleen		Angiectasis	Mild
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 290

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48469

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Brain		Compression	
	[Compression TGLS = 8-1-1]	Hydrocephalus	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Inflammation	Suppurative, Minimal
	[Nephropathy TGLS = 6-5]	Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
	[Hepatocellular Adenoma TGLS = 10-21]	Clear Cell Focus	
	[Hyperplasia TGLS = 10-21]	Hepatocellular Adenoma	
		Hyperplasia	Focal, Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Cystic, Minimal
	[Hyperplasia TGLS = 1-8]		
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
	[Adenoma TGLS = 9-1]		
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 290

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48469

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular [Cyst Epithelial Inclusion TGLS = 11-4-1]		Pigmentation Cyst Epithelial Inclusion	Moderate
* Thyroid Gland [Hyperplasia TGLS = 3-3]	C Cell	Hyperplasia	Minimal
* Uterus [Polyp Stromal TGLS = 5-22]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 291

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48470

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Inflammation	Suppurative, Minimal
		Mineralization	Mild
		Nephropathy	Moderate
	[Nephropathy TGLS = 2-5]		
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
	Kupffer Cell	Pigmentation	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Nose	Glands	Hyperplasia	Mild
	Mucosa	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal
	Note: ADENOMA IS SMALL & APPEARS TO BE IN AN EARLY STAGE		
* Spleen		Developmental Malformation	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 291	TRT#: 2	SEX: Female	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 88-48470

ORGAN AND ACCOUNTABLE SITE STATUS

		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		Pigmentation	Mild
Note: DEVELOP MALFOR CONSISTS OF FOCAL AREA OF ADIPOSE TISSUE [Developmental Malformation TGLS = 1-21]			
* Thyroid Gland	C Cell	Carcinoma	
	C Cell	Hyperplasia	Moderate
[Carcinoma TGLS = 3-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 292

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Bone	Calvarium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 7-24]			
* Brain		Compression	
Note: CYSTIC SPACE WITHIN THALAMUS; BELIEVED TO BE ARTIFACT			
[Compression TGLS = 8-1-1]			
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-8]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Cytoplasmic Alteration	Moderate
		Mineralization	Moderate
		Nephropathy	Moderate
Note: MINERALIZED, PROTEINACEOUS MATERIAL IN PELVIS			
[Nephropathy TGLS = 5-5]			
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Granuloma	Minimal
Note: BASOPHILIC FOCI ALSO ON SLIDE 6			
[Angiectasis TGLS = 6-23]			
[Basophilic Focus TGLS = 6-23]			
* Mammary Gland		Carcinoma	
		Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 292	TRT#: 2	SEX: Female	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 88-48471

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 3-21]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Cyst	
[Adenoma TGLS = 9-1]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: INFUSION ARTIFACT IN URINARY BLADDER

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 293

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48472

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Esophagus | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|--|---------------|----------------------------|--------------|
| * Brain | | Developmental Malformation | |
| Note: WITHIN BRAIN PARENCHYMA | | | |
| Note: DEVELOP MALFOR CONSISTS OF TWO FOCI OF STRIATED MUSCLE | | | |
| * Clitoral Gland | | Adenoma | |
| * Kidney | | Mineralization | Moderate |
| | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| Note: BASOPHILIC FOCI ALSO ON SLIDE 6 | | | |
| [Basophilic Focus TGLS = 2-21] | | | |
| * Mammary Gland | | Hyperplasia | Cystic, Mild |
| [Hyperplasia TGLS = 1-8] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 3-1] | | | |
| * Spleen | | Pigmentation | Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 294

TRT#: 2

SEX: Female

DAY ON TEST: 457

DOSE: VEHICLE CONTROL

DISP: Scheduled Sacrifice

HISTO: 88-45612

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Focal, Minimal
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Subacute, Minimal
[Hepatodiaphragmatic Nodule TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Spleen		Pigmentation	Moderate
* Stomach, Glandular	Epithelium	Dilatation	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 295

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48473

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Carcinoma	
Note: CARCINOMA HAS SQUAMOUS DIFFERENTIATION			
[Carcinoma TGLS = 1-21]			
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 5-2-1]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
[Hyperplasia TGLS = 4-1]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-7-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 296

TRT#: 2

SEX: Female

DAY ON TEST: 646

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-48271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone	Calvarium	Osteopetrosis	Mild
	Femur	Osteopetrosis	Marked
	Sternum	Osteopetrosis	Marked
	[Osteopetrosis TGLS = 5-9,6-22]		
	[Osteopetrosis TGLS = 5-9,6-22]		
	[Osteopetrosis TGLS = 5-9,6-22]		
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Lobules	Necrosis	Minimal
	Kupffer Cell	Pigmentation	Moderate
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Mesentery		Mesothelioma Malignant	
	Note: MESOTHELIO MAL ALSO PRESENT ON SLIDES 5, 6, 7, & 10		
	[Mesothelioma Malignant TGLS = 3-21]		
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 296

TRT#: 2

SEX: Female

DAY ON TEST: 646

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-48271

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

Pigmentation

Mild

* Uterus

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 297

TRT#: 2

SEX: Female

DAY ON TEST: 674

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-48272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea		

MISSING

Vagina

OBSERVATIONS

* Adrenal Cortex		Congestion	Mild
[Congestion TGLS = 8-10]			
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-6,10-24]		Vacuolization Cytoplasmic	Marked
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-2,12-2-1]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-7]			
[Leukemia Mononuclear TGLS = 7-7]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-7]			
* Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 297

TRT#: 2

SEX: Female

DAY ON TEST: 674

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 88-48272

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC INFILTRATE IN FIBROADENOMA [Fibroadenoma TGLS = 2-21] [Hyperplasia TGLS = 1-8]		Hyperplasia	Cystic, Mild
Mesentery [Necrosis TGLS = 4-22]	Fat	Necrosis	Mild
* Pituitary Gland [Adenoma TGLS = 11-1] [Angiectasis TGLS = 11-1]	Pars Distalis Pars Distalis Pars Distalis	Adenoma Angiectasis Cyst Leukemia Mononuclear	Marked
* Spleen [Leukemia Mononuclear TGLS = 5-6-1,6-23]		Leukemia Mononuclear	
* Stomach, Glandular		Erosion	Minimal
* Thymus		Leukemia Mononuclear	
* Urinary Bladder Note: INFUSION ARTIFACT IN URINARY BLADDER		Leukemia Mononuclear	
* Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 298

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48474

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Hyperplasia	Mild
		Inflammation	Suppurative, Mild
			[Hyperplasia TGLS = 1-8]
* Kidney		Leukemia Mononuclear	
		Mineralization	Moderate
		Nephropathy	Minimal
		Pigmentation	Mild
* Liver	Renal Tubule	Atrophy	Mild
	Centrilobular	Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
			[Leukemia Mononuclear TGLS = 4-2,4-2-1]
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Ectasia	Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Ectasia	Mild
		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
			[Hyperplasia TGLS = 9-8]
* Pituitary Gland	Pars Distalis	Angiectasis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 298	TRT#: 2	SEX: Female	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 88-48474

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis	Cyst	
	Leukemia Mononuclear	
[Angiectasis TGLS = 6-1]		
[Cyst TGLS = 6-1]		
[Leukemia Mononuclear TGLS = 6-1]		
* Spleen	Fibrosis	Mild
	Leukemia Mononuclear	
	Necrosis	Marked
[Leukemia Mononuclear TGLS = 2-6-1]		
[Necrosis TGLS = 7-21]		
* Stomach, Glandular	Leukemia Mononuclear	
* Thymus	Leukemia Mononuclear	
* Urinary Bladder	Leukemia Mononuclear	
* Uterus	Hydrometra	Mild
[Hydrometra TGLS = 5-7,8-7]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 299

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48475

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation Vacuolization Cytoplasmic	Minimal Focal, Moderate
* Bone [Osteopetrosis TGLS = 9-22]	Calvarium	Osteopetrosis	Mild
* Brain [Compression TGLS = 7-1]		Compression	
* Intestine Small, Ileum		Inflammation	Subacute, Moderate
* Kidney	Renal Tubule	Cytoplasmic Alteration Mineralization Nephropathy	Moderate Moderate Mild
* Liver [Leukemia Mononuclear TGLS = 6-6]		Basophilic Focus Leukemia Mononuclear Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Plasma Cell, Mild
* Mammary Gland [Carcinoma TGLS = 1-21] [Hyperplasia TGLS = 2-8]		Carcinoma Hyperplasia	Cystic, Mild
* Ovary [Cyst TGLS = 3-7-1]		Cyst	
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 299

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48475

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 8-1]	Pars Intermed	Cyst	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		Pigmentation	Mild
[Hematopoietic Cell Proliferation TGLS = 5-6]			
[Leukemia Mononuclear TGLS = 5-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 300

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48476

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone	Calvarium	Osteopetrosis	Mild
	Femur	Osteopetrosis	Mild
	Sternum	Osteopetrosis	Mild
[Osteopetrosis TGLS = 1-21]			
[Osteopetrosis TGLS = 1-21]			
[Osteopetrosis TGLS = 1-21]			
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Note: HISTIOCYTIC CELLS CONTAIN BROWNISH PIGMENT			
* Lymph Node, Mandibular		Ectasia	Mild
		Hyperplasia	Plasma Cell, Mild
* Ovary		Granulosa-Theca Tumor Benign	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Intermed	Adenoma	
	Pars Intermed	Angiectasis	Mild
	Pars Intermed	Cyst	
	Pars Distalis	Hyperplasia	Minimal
[Adenoma TGLS = 2-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 300

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 88-48476

ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands

Atrophy

Minimal

* Spleen

Leukemia Mononuclear

Pigmentation

Mild

[Leukemia Mononuclear TGLS = 3-6]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 301

TRT#: 4

SEX: Female

DAY ON TEST: 424

DOSE: 0.25%

DISP: Natural Death

HISTO: 88-45503

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Mild
		Hyperplasia	Focal, Minimal
* Bone	Femur	Osteopetrosis	Moderate
	Sternum	Osteopetrosis	Moderate
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Congestion	Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Congestion	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 302

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48513

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
		Vacuolization Cytoplasmic	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Inflammation	Suppurative, Minimal
		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Minimal
		Inflammation	Subacute, Minimal
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 6-24]			
[Mixed Cell Focus TGLS = 5-23]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Intermed	Adenoma	
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 3-22]			
* Spleen		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 303

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48514

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
		Vacuolization Cytoplasmic	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Moderate
		Nephropathy	Moderate
	[Nephropathy TGLS = 8-5]		
* Liver		Angiectasis	Moderate
		Basophilic Focus	
	Note: BASOPHILIC FOCI ALSO PRESENT ON SLIDE 6		
	[Angiectasis TGLS = 9-26]		
	[Basophilic Focus TGLS = 9-26]		
* Mammary Gland		Adenoma	
		Carcinoma	
		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Adenoma TGLS = 1-21]		
	[Carcinoma TGLS = 3-23]		
	[Fibroadenoma TGLS = 2-22,4-24]		
	[Hyperplasia TGLS = 5-8]		
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 6-25]		
* Ovary		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 303	TRT#: 4	SEX: Female	DAY ON TEST: 731
	DOSE: 0.25%	DISP: Terminal Sacrifice	HISTO: 88-48514

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 7-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 10-1]			
* Spleen		Pigmentation	Mild
* Stomach, Forestomach		Edema	Marked
		Ulcer	Moderate
[Edema TGLS = 12-4]			
[Ulcer TGLS = 13-4-1]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: INFUSION ARTIFACT IN UR. BLADDER

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 304

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48515

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 5-22]			
* Bone		Fibrous Osteodystrophy	Minimal
* Kidney		Mineralization	Moderate
		Nephropathy	Marked
[Nephropathy TGLS = 4-5,8-5-1]			
* Liver	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 9-23]			
[Hyperplasia TGLS = 9-23]			
* Lung		Edema	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 1-21,2-8]			
* Nose		Exudate	
Note: EXUDATE IS IN NASOLACRIMAL DUCT			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 304

TRT#: 4
DOSE: 0.25%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 88-48515

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus
[Hyperplasia TGLS = 3-7]

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 305

TRT#: 4

DOSE: 0.25%

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 88-48516

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Minimal
* Clitoral Gland		Hyperplasia	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Mixed Cell Focus TGLS = 4-22]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Nose		Exudate	
	Note: EXUDATE IS IN NASOLACRIMAL DUCT		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
	Pars Intermed	Cyst	
	[Adenoma TGLS = 3-1]		
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 1-21]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 305

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48516

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 306

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48517

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Moderate
* Clitoral Gland		Adenoma	
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
		[Cataract TGLS = 1-21]	
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Moderate
		Nephropathy	Moderate
		[Nephropathy TGLS = 3-5]	
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Subacute, Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Nose		Exudate	
* Ovary		Cyst	
		[Cyst TGLS = 2-7]	
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 5-1]	
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 306

TRT#: 4
DOSE: 0.25%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 88-48517

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-6]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 307

TRT#: 4

SEX: Female

DAY ON TEST: 457

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 88-45613

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Moderate
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Inflammation	Subacute, Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Spleen		Pigmentation	Mild
* Uterus		Hydrometra	Mild

[Hydrometra TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 308

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48518

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone	Calvarium	Osteopetrosis	Minimal
	Sternum	Osteopetrosis	Minimal
	[Osteopetrosis TGLS = 5-21]		
	[Osteopetrosis TGLS = 5-21]		
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Cyst	
		Granuloma	Minimal
		Hyperplasia	Lymphoid, Minimal
	Note: BASOPHILIC FOCI ALSO ON SLIDE 6		
	[Basophilic Focus TGLS = 6-22]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
	[Hyperplasia TGLS = 1-8]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Intermed	Angiectasis	Mild
	[Adenoma TGLS = 4-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 308

TRT#: 4
DOSE: 0.25%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 88-48518

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Pigmentation	Mild
* Thyroid Gland	Ultimobranchial Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 309

TRT#: 4

SEX: Female

DAY ON TEST: 552

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46374

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Moderate
* Liver	Centrilobular	Atrophy	Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Kupffer Cell	Pigmentation	Mild
	[Hepatodiaphragmatic Nodule TGLS = 5-22]		
	[Leukemia Mononuclear TGLS = 8-6]		
* Lung		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
	Note: STROMAL PROLIFERATION ASSOC. WITH LEUKEMIA		
	[Leukemia Mononuclear TGLS = 6-2]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-5,7-3]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-5,7-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-5,7-3]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 309	TRT#: 4	SEX: Female	DAY ON TEST: 552
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 88-46374

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Hyperplasia TGLS = 1-21]		Hyperplasia	Cystic, Minimal
* Pituitary Gland	Pars Distalis Pars Intermed	Cyst Cyst	
* Spleen [Fibrosis TGLS = 2-6-1] [Leukemia Mononuclear TGLS = 3-6-1]		Fibrosis Hematopoietic Cell Proliferation Leukemia Mononuclear	Marked Mild
* Stomach, Forestomach		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 310

TRT#: 4

DOSE: 0.25%

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 88-48519

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone	Calvarium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 8-23]			
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-8]			
* Heart		Cardiomyopathy	Mild
* Kidney		Inflammation	Suppurative, Mild
		Mineralization	Moderate
		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Subacute, Minimal
	Lobules	Necrosis	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
[Hepatodiaphragmatic Nodule TGLS = 5-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 7-8]			
* Ovary		Cyst	
[Cyst TGLS = 2-7]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 310	TRT#: 4	SEX: Female	DAY ON TEST: 731
	DOSE: 0.25%	DISP: Terminal Sacrifice	HISTO: 88-48519

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-1]			
[Angiectasis TGLS = 6-1]			
* Spleen		Developmental Malformation	
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
[Developmental Malformation TGLS = 3-21]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 311

TRT#: 4

SEX: Female

DAY ON TEST: 457

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 88-45614

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Bone Marrow		Myelofibrosis	Minimal
* Clitoral Gland		Inflammation	Chronic, Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Granuloma	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Subacute, Minimal
Note: BROWN PIGMENT WITHIN FOCUS OF HISTIOCYTIC CELLS			
* Nose		Exudate	
		Foreign Body	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Intermed	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 312

TRT#: 4

DOSE: 0.25%

SEX: Female

DISP: Natural Death

DAY ON TEST: 533

HISTO: 88-45987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Angiectasis	Moderate
		Hepatodiaphragmatic Nodule	
		Hyperplasia	Focal, Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Angiectasis TGLS = 4-22]		
	[Hepatodiaphragmatic Nodule TGLS = 5-23]		
	[Hyperplasia TGLS = 4-22]		
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 2-21]		
	[Hyperplasia TGLS = 1-8]		
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLS = 3-6]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:25

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 313

TRT#: 4

DOSE: 0.25%

SEX: Female

DISP: Natural Death

DAY ON TEST: 727

HISTO: 88-48520

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Diffuse, Mild
[Leukemia Mononuclear TGLS = 6-10]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-10]			
* Bone	Femur	Osteopetrosis	Mild
* Bone Marrow		Leukemia Mononuclear Myelofibrosis	Moderate
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Mineralization	Mild
	Renal Tubule	Nephropathy	Minimal
		Pigmentation	Mild
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Leukemia Mononuclear Necrosis	Mild
[Hepatodiaphragmatic Nodule TGLS = 8-24]			
[Leukemia Mononuclear TGLS = 7-6]			
[Necrosis TGLS = 7-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 313	TRT#: 4 DOSE: 0.25%	SEX: Female DISP: Natural Death	DAY ON TEST: 727 HISTO: 88-48520
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ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Minimal
[Fibroadenoma TGLS = 2-21,3-22]			
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 5-23]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 10-4,10-4-1]			
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 11-25]			

PRIMARY CAUSE OF DEATH -

Animal Note: INFUSION ARTIFACT IN URINARY BLADDER

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 314

TRT#: 4

SEX: Female

DAY ON TEST: 674

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-48273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	Vagina

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
[Compression TGLS = 7-1-1]			
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Renal Tubule	Cytoplasmic Alteration	Mild
		Mineralization	Moderate
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Marked
* Liver	Centrilobular	Atrophy	Mild
		Leukemia Mononuclear	
	Lobules	Necrosis	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Leukemia Mononuclear TGLS = 5-6-1]			
[Vacuolization Cytoplasmic TGLS = 5-6-1]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 8-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 314	TRT#: 4	SEX: Female	DAY ON TEST: 674
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 88-48273

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Fibrosis	Mild
	Leukemia Mononuclear	
[Fibrosis TGLS = 4-21]		
[Leukemia Mononuclear TGLS = 3-6]		
* Uterus	Polyp Stromal	
[Polyp Stromal TGLS = 1-7-1]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:25
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 315

TRT#: 4

SEX: Female

DAY ON TEST: 589

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	
[Compression TGLS = 7-1]			
* Heart	Myocardium	Inflammation	Chronic, Mild
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Subacute, Mild
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Subacute, Mild
[Hyperplasia TGLS = 8-2-1]			
[Infiltration Cellular TGLS = 8-2-1]			
[Inflammation TGLS = 8-2-1]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Lobular, Mild
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
* Ovary		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 315	TRT#: 4	SEX: Female	DAY ON TEST: 589
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 88-46441

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 3-7]		Mineralization	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Cyst	
[Adenoma TGLS = 6-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 316

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48521

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Brain | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

Vagina

OBSERVATIONS

- | | | | |
|-------------------|---------------------------------------|---------------------------|----------------------|
| * Adrenal Cortex | | Hyperplasia | Focal, Minimal |
| | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Focal, Minimal |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Clitoral Gland | | Ectasia | Mild |
| | | Hyperplasia | Mild |
| | [Ectasia TGLS = 1-8] | | |
| | [Hyperplasia TGLS = 1-8] | | |
| * Kidney | | Mineralization | Moderate |
| | | Nephropathy | Mild |
| | | Pigmentation | Mild |
| * Liver | Renal Tubule | Atrophy | Mild |
| | Centrilobular | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| | Kupffer Cell | Pigmentation | Minimal |
| | Hepatocyte | Vacuolization Cytoplasmic | Mild |
| | [Leukemia Mononuclear TGLS = 4-6-1] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Moderate |
| | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 316	TRT#: 4	SEX: Female	DAY ON TEST: 731
	DOSE: 0.25%	DISP: Terminal Sacrifice	HISTO: 88-48521

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 6-2] [Leukemia Mononuclear TGLS = 6-2] Lymph Node	Mediastinal Mediastinal	Leukemia Mononuclear Pigmentation	Moderate
[Leukemia Mononuclear TGLS = 8-3] [Pigmentation TGLS = 8-3] * Lymph Node, Mandibular		Ectasia Hyperplasia Leukemia Mononuclear	Mild Plasma Cell, Mild
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 8-3]			
* Mammary Gland [Hyperplasia TGLS = 2-8]		Hyperplasia	Cystic, Minimal
* Ovary [Cyst TGLS = 5-7]		Cyst	
* Pancreas		Cyst	
* Pituitary Gland [Adenoma TGLS = 9-1]	Pars Distalis	Adenoma	
* Spleen [Leukemia Mononuclear TGLS = 3-6]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 317

TRT#: 4

SEX: Female

DAY ON TEST: 457

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 88-45615

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Focal, Minimal
* Clitoral Gland		Hyperplasia	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Granuloma	Minimal
		Inflammation	Subacute, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Mild
		[Angiectasis TGLS = 1-1]	
* Spleen		Pigmentation	Mild
* Stomach, Glandular	Epithelium	Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 318

TRT#: 4

DOSE: 0.25%

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 88-48522

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Bone	Calvarium	Osteopetrosis	Mild
	Femur	Osteopetrosis	Mild
	Sternum	Osteopetrosis	Mild
	[Osteopetrosis TGLS = 3-21]		
	[Osteopetrosis TGLS = 3-21]		
	[Osteopetrosis TGLS = 3-21]		
* Brain		Compression	
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
	[Hepatodiaphragmatic Nodule TGLS = 4-22]	Hepatodiaphragmatic Nodule	
* Mammary Gland		Hyperplasia	Cystic, Mild
	[Hyperplasia TGLS = 1-8]		
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	
	[Adenoma TGLS = 2-1]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 318

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48522

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Follicle

Cyst

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 319

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48523

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|----------------------------|---------------|-----------------------------------|--------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| | | Vacuolization Cytoplasmic | Focal, Minimal |
| * Kidney | | Mineralization | Moderate |
| | | Nephropathy | Mild |
| [Nephropathy TGLS = 1-5] | | | |
| * Liver | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Subacute, Minimal |
| | Kupffer Cell | Pigmentation | Minimal |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Moderate |
| * Pituitary Gland | Pars Distalis | Angiectasis | Mild |
| | Pars Distalis | Cyst | |
| | Pars Distalis | Hyperplasia | Mild |
| [Angiectasis TGLS = 3-1] | | | |
| [Hyperplasia TGLS = 3-1] | | | |
| * Spleen | | Fibrosis | Minimal |
| | | Pigmentation | Mild |
| * Thyroid Gland | C Cell | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 320

TRT#: 4

SEX: Female

DAY ON TEST: 646

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-48274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia Pigmentation	Focal, Minimal Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
[Compression TGLS = 9-1-1]			
* Clitoral Gland		Adenoma	
* Kidney		Leukemia Mononuclear Mineralization Nephropathy Pigmentation	Mild Mild Moderate
Renal Tubule			
[Leukemia Mononuclear TGLS = 4-5]			
[Nephropathy TGLS = 4-5]			
[Pigmentation TGLS = 4-5]			
* Liver	Centrilobular	Atrophy Basophilic Focus	Mild
	Bile Duct	Hyperplasia Hyperplasia Leukemia Mononuclear Mixed Cell Focus	Mild Focal, Moderate
[Hyperplasia TGLS = 10-21]			
[Hyperplasia TGLS = 10-21]			
[Leukemia Mononuclear TGLS = 3-6-1]			
* Lung		Hemorrhage Infiltration Cellular	Minimal Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 320 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 646
DOSE: 0.25% **DISP:** Moribund Sacrifice **HISTO:** 88-48274

ORGAN AND ACCOUNTABLE SITE STATUS

<p>Note: HISTIOCYTIC INFILTRATE ALSO PRESENT ON SLIDE 2 [Infiltration Cellular TGLS = 7-2-1]</p> <p>Lymph Node Mediastinal [Leukemia Mononuclear TGLS = 6-3,5-5]</p> <p>* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 6-3,5-5]</p> <p>* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 6-3,5-5]</p> <p>* Mammary Gland [Hyperplasia TGLS = 1-8]</p> <p>* Pancreas * Pituitary Gland Pars Distalis [Adenoma TGLS = 8-1] [Leukemia Mononuclear TGLS = 8-1] [Pigmentation TGLS = 8-1]</p> <p>* Spleen [Hematopoietic Cell Proliferation TGLS = 2-6] [Leukemia Mononuclear TGLS = 2-6]</p> <p>* Stomach, Glandular * Thymus * Thyroid Gland C Cell</p>	<p>Leukemia Mononuclear</p> <p>Leukemia Mononuclear</p> <p>Ectasia Hemorrhage Leukemia Mononuclear</p> <p>Leukemia Mononuclear</p> <p>Carcinoma Hyperplasia</p> <p>Atrophy Adenoma Leukemia Mononuclear Pigmentation</p> <p>Hematopoietic Cell Proliferation Leukemia Mononuclear</p> <p>Edema Leukemia Mononuclear Hyperplasia</p>	<p>Moderate Mild</p> <p>Cystic, Minimal</p> <p>Mild</p> <p>Moderate</p> <p>Mild</p> <p>Mild</p> <p>Minimal</p>
<p>PRIMARY CAUSE OF DEATH -</p>		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 321

TRT#: 4

SEX: Female

DAY ON TEST: 502

DOSE: 0.25%

DISP: Natural Death

HISTO: 88-45740

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Bone	Calvarium	Osteopetrosis	Mild
	Femur	Osteopetrosis	Moderate
	Sternum	Osteopetrosis	Moderate
	[Osteopetrosis TGLS = 3-21]		
	[Osteopetrosis TGLS = 3-21]		
	[Osteopetrosis TGLS = 3-21]		
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Lung		Congestion	Moderate
		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-1]		
* Spleen		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 322

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48524

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- | | | | |
|-------------------------------------|---------------|-----------------------|---------------------|
| * Kidney | | Mineralization | Moderate |
| | | Nephropathy | Mild |
| * Liver | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 2-6] | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| * Mammary Gland | | Hyperplasia | Cystic, Mild |
| * Pancreas | | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 3-1] | | | |
| * Spleen | | Leukemia Mononuclear | |
| | | Pigmentation | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 323

TRT#: 4

SEX: Female

DAY ON TEST: 457

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 88-45616

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Bone | * Brain | * Clitoral Gland |
| * Esophagus | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|-------------------|----------------------------|-----------------------------------|-------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| * Bone Marrow | | Myelofibrosis | Minimal |
| * Kidney | | Mineralization | Moderate |
| | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Inflammation | Subacute, Minimal |
| * Pancreas | | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Angiectasis | Moderate |
| | Pars Distalis | Cyst | |
| | [Angiectasis TGLS = 1-1] | | |
| * Spleen | | Pigmentation | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 324

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48525

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Adenoma	
Note: SUPPURATIVE INFLAMM. ASSOC. W/ ADENOMA; NOT CODED [Adenoma TGLS = 4-8]			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 2-21]			
* Lung		Edema	Mild
		Infiltration Cellular	Histiocyte, Minimal
Note: EDEMA IS PERIVASCULAR			
* Mammary Gland		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
Note: TWO ADENOMAS ARE PRESENT IN THE PARS DISTALIS [Adenoma TGLS = 3-1-1]			
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Mild
* Spleen		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 325

TRT#: 4

SEX: Female

DAY ON TEST: 552

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46375

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Parathyroid Gland	* Salivary Glands	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Diffuse, Mild
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Marked
* Heart		Thrombosis	
* Intestine Large, Cecum		Dilatation	Moderate
		Edema	Moderate
* Intestine Large, Rectum		Edema	Mild
* Kidney		Inflammation	Suppurative, Minimal
		Leukemia Mononuclear	
		Mineralization	Moderate
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Moderate
Note: SUPPURATIVE INFLAMMATION ASSOCIATED WITH BACTERIA.			
			[Leukemia Mononuclear TGLS = 10-5]
			[Pigmentation TGLS = 10-5]
* Liver	Centrilobular	Atrophy	Marked
		Hepatodiaphragmatic Nodule	
		Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
			[Hepatodiaphragmatic Nodule TGLS = 12-23]
			[Leukemia Mononuclear TGLS = 11-6]
			[Vacuolization Cytoplasmic TGLS = 11-6]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 325

TRT#: 4

SEX: Female

DAY ON TEST: 552

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46375

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 15-2,15-2-1]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 18-24,6-7,21-8]			
[Leukemia Mononuclear TGLS = 18-24,6-7,21-8]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 18-24,6-7,21-8]			
* Lymph Node, Mesenteric		Hemorrhage	Moderate
[Hemorrhage TGLS = 9-5]			
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-8,1-21]			
Mesentery	Fat	Necrosis	Marked
Note: FAT NECROSIS ALSO PRESENT ON SLIDES 4,5&7			
[Necrosis TGLS = 5-22]			
* Nose		Exudate	
	Mucosa	Hyperplasia	Mild
* Ovary		Cyst	
		Leukemia Mononuclear	
[Cyst TGLS = 3-7]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Intermed	Cyst	
[Cyst TGLS = 20-1]			
[Cyst TGLS = 20-1]			
* Skin	Subcut Tiss	Edema	Moderate
[Edema TGLS = 19-25]			
* Spleen		Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 8-6-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 325

TRT#: 4

SEX: Female

DAY ON TEST: 552

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46375

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-6]

* Stomach, Forestomach

Edema

Moderate

Erosion

Minimal

Mucosa

Hyperplasia

Mild

[Erosion TGLS = 22-4]

* Stomach, Glandular

Erosion

Mild

[Erosion TGLS = 22-4]

* Uterus

Leiomyoma

[Leiomyoma TGLS = 4-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 326

TRT#: 4

DOSE: 0.25%

SEX: Female

DISP: Natural Death

DAY ON TEST: 232

HISTO: 87-45214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------|--------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Bone | * Clitoral Gland | * Esophagus |
| * Heart | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Islets, Pancreatic | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

- | | | | |
|---|--------------|----------------------|----------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 9-1] | | | |
| * Kidney | | Leukemia Mononuclear | |
| | | Mineralization | Moderate |
| * Liver | | Leukemia Mononuclear | |
| | Kupffer Cell | Pigmentation | Moderate |
| [Leukemia Mononuclear TGLS = 5-6] | | | |
| * Lung | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 7-2] | | | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 8-3,4-21,6-22] | | | |
| [Leukemia Mononuclear TGLS = 8-3,4-21,6-22] | | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 8-3,4-21,6-22] | | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 8-3,4-21,6-22] | | | |
| * Spleen | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 3-6] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 326

TRT#: 4

SEX: Female

DAY ON TEST: 232

DOSE: 0.25%

DISP: Natural Death

HISTO: 87-45214

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 327

TRT#: 4

SEX: Female

DAY ON TEST: 324

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 87-45215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Hydrocephalus Oligodendroglioma Malignant	Moderate
	[Hydrocephalus TGLS = 4-1,5-1] [Oligodendroglioma Malignant TGLS = 3-1,4-1,5-1]		
* Kidney		Mineralization	Moderate
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLS = 1-21]		
* Ovary		Cyst	
	[Cyst TGLS = 2-7]		
* Pituitary Gland	Pars Distalis	Cyst	
* Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 328

TRT#: 4

SEX: Female

DAY ON TEST: 723

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-48526

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Skin	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Congestion	Mild
		Vacuolization Cytoplasmic	Focal, Mild
[Congestion TGLS = 5-10]			
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Moderate
* Kidney		Mineralization	Mild
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Moderate
* Liver		Angiectasis	Mild
	Centrilobular	Atrophy	Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Hepatodiaphragmatic Nodule TGLS = 7-21,8-22]			
[Vacuolization Cytoplasmic TGLS = 6-6]			
Lymph Node	Pancreatic	Hemorrhage	Mild
	Renal	Hemorrhage	Moderate
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Renal	Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 328

TRT#: 4

SEX: Female

DAY ON TEST: 723

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-48526

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLS = 3-7-1,9-5,10-23]			
[Hemorrhage TGLS = 3-7-1,9-5,10-23]			
[Leukemia Mononuclear TGLS = 10-23,3-7-1,11-3]			
[Leukemia Mononuclear TGLS = 10-23,3-7-1,11-3]			
[Leukemia Mononuclear TGLS = 10-23,3-7-1,11-3]			
[Pigmentation TGLS = 10-23]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-23,3-7-1,11-3]			
* Lymph Node, Mesenteric		Hemorrhage	Moderate
[Hemorrhage TGLS = 3-7-1,9-5,10-23]			
* Mammary Gland		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Cyst	
		Pigmentation	Moderate
[Cyst TGLS = 12-1]			
[Pigmentation TGLS = 12-1]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Stomach, Forestomach		Edema	Mild
		Erosion	Moderate
[Erosion TGLS = 14-4,14-4-2,13-4-1]			
* Stomach, Glandular		Edema	Mild
		Erosion	Mild
[Erosion TGLS = 14-4,14-4-2,13-4-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 329

TRT#: 4

SEX: Female

DAY ON TEST: 703

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-48275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
			[Congestion TGLS = 4-10]
			[Hematopoietic Cell Proliferation TGLS = 4-10]
* Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
			[Cataract TGLS = 1-22]
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Kupffer Cell	Leukemia Mononuclear	
		Pigmentation	Minimal
			[Leukemia Mononuclear TGLS = 5-6-1]
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Ectasia	Mild
		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
			[Hyperplasia TGLS = 2-8]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 329	TRT#: 4	SEX: Female	DAY ON TEST: 703
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 88-48275

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Exudate	
		Foreign Body	Mild
		Fungus	
	Mucosa	Hyperplasia	Mild
	Mucosa	Metaplasia	Squamous, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
		Pigmentation	Mild
	[Hematopoietic Cell Proliferation TGLS = 3-6]		
	[Leukemia Mononuclear TGLS = 3-6]		
Tooth	Gingiva	Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLS = 6-21,6-21-1]		

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 330

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48527

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain		Compression	
		Hydrocephalus	Mild
	[Compression TGLS = 6-1-1]		
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Mild
		Nephropathy	Moderate
	[Nephropathy TGLS = 5-5]		
* Liver		Basophilic Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Vacuolization Cytoplasmic TGLS = 9-22]		
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Moderate
	[Hemorrhage TGLS = 8-3]		
	[Pigmentation TGLS = 8-3]		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Carcinoma	
		Hyperplasia	Cystic, Moderate
	[Carcinoma TGLS = 2-21]		
	[Hyperplasia TGLS = 1-8]		
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 7-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 330	TRT#: 4	SEX: Female	DAY ON TEST: 731
	DOSE: 0.25%	DISP: Terminal Sacrifice	HISTO: 88-48527

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Mild
* Stomach, Glandular		Ulcer	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Hemorrhage	Moderate
		Hyperplasia	Cystic, Mild
[Hemorrhage TGLS = 3-7-1]			
[Hyperplasia TGLS = 4-7-2]			

PRIMARY CAUSE OF DEATH -

Animal Note: INFUSION ARTIFACT IN URINARY BLADDER

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 331

TRT#: 4

SEX: Female

DAY ON TEST: 645

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-47050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Renal Tubule	Cytoplasmic Alteration	Moderate
		Leukemia Mononuclear	
		Mineralization	Moderate
		Nephropathy	Minimal
* Liver	Renal Tubule Centrilobular	Pigmentation	Moderate
		Atrophy	Mild
		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Kupffer Cell	Pigmentation	Mild
	[Hepatodiaphragmatic Nodule TGLS = 5-21]		
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Ectasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 331	TRT#: 4	SEX: Female	DAY ON TEST: 645
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 88-47050

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Mucosa	Leukemia Mononuclear	
* Pancreas		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Atrophy	Minimal
	Pars Distalis	Angiectasis	Mild
	Pars Intermed	Cyst	
	Pars Distalis	Cyst	
		Hyperplasia	Minimal
		Leukemia Mononuclear	
[Angiectasis TGLS = 4-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6-1]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 332

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48528

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Brain		Compression	
[Compression TGLS = 6-1-1]			
* Clitoral Gland		Adenoma	
Note: SUPPURATIVE INFLAMM. ASSOC. W/ ADENOMA NOT CODED			
[Adenoma TGLS = 3-8]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Inflammation	Subacute, Minimal
		Mixed Cell Focus	
	Lobules	Necrosis	Minimal
Note: BASOPHILIC FOCI ALSO ON SLIDE 6			
[Basophilic Focus TGLS = 9-24]			
[Mixed Cell Focus TGLS = 5-23]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Hyperplasia	Lobular, Minimal
		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 2-8]			
[Hyperplasia TGLS = 2-8]			
* Nose	Glands	Hyperplasia	Mild
	Mucosa	Metaplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 332	TRT#: 4 DOSE: 0.25%	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: 88-48528
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Mild
* Pituitary Gland [Adenoma TGLS = 7-1]	Pars Distalis	Adenoma	
* Skin [Fibrosarcoma TGLS = 1-21]	Subcut Tiss	Fibrosarcoma	
* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 333

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48529

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Mild
* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart		Leukemia Mononuclear	
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Kupffer Cell	Leukemia Mononuclear	
		Pigmentation	Mild
	[Leukemia Mononuclear TGLS = 8-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Axillary	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-21,10-25,9-24,6-8,4-23,5-26]		
	[Leukemia Mononuclear TGLS = 2-21,10-25,9-24,6-8,4-23,5-26]		
	[Leukemia Mononuclear TGLS = 2-21,10-25,9-24,6-8,4-23,5-26]		
	[Leukemia Mononuclear TGLS = 2-21,10-25,9-24,6-8,4-23,5-26]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-21,10-25,9-24,6-8,4-23,5-26]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-21,10-25,9-24,6-8,4-23,5-26]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 333	TRT#: 4	SEX: Female	DAY ON TEST: 731
	DOSE: 0.25%	DISP: Terminal Sacrifice	HISTO: 88-48529

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 3-22]			
[Hyperplasia TGLS = 1-8]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
[Cyst TGLS = 12-1]			
* Spleen		Leukemia Mononuclear	
		Pigmentation	Mild
[Leukemia Mononuclear TGLS = 7-6]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-3]			
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 334

TRT#: 4

SEX: Female

DAY ON TEST: 457

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 88-45617

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
		Angiectasis	Mild
		Hyperplasia	Focal, Minimal
* Bone Marrow		Myelofibrosis	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Granuloma	Mild
		Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 2-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal
[Cyst TGLS = 1-1]			
[Hyperplasia TGLS = 1-1]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Mild
* Stomach, Glandular	Epithelium	Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 335

TRT#: 4

DOSE: 0.25%

SEX: Female

DISP: Natural Death

DAY ON TEST: 624

HISTO: 88-46900

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone	Calvarium	Osteopetrosis	Mild
	Sternum	Osteopetrosis	Mild
	[Osteopetrosis TGLS = 4-21]		
	[Osteopetrosis TGLS = 4-21]		
* Brain		Compression	
	[Compression TGLS = 3-1-1]		
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Subacute, Minimal
		Mixed Cell Focus	
* Mammary Gland		Hyperplasia	Lobular, Mild
		Hyperplasia	Cystic, Mild
	[Hyperplasia TGLS = 1-8]		
	[Hyperplasia TGLS = 1-8]		
* Pancreas	Acinar Cell	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 335

TRT#: 4

DOSE: 0.25%

SEX: Female

DISP: Natural Death

DAY ON TEST: 624

HISTO: 88-46900

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Carcinoma

Note: INDEX & PSEUDO-ROSETTE PATTERN

Note: CARCINOMA CONTAINS NECROSIS, ATYPICAL CELLS, HIGH MITOTIC

[Carcinoma TGLS = 2-1]

* Spleen

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 336

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48530

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Moderate
		Nephropathy	Moderate
	[Nephropathy TGLS = 3-5]		
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
	[Basophilic Focus TGLS = 7-6]		
	[Hepatodiaphragmatic Nodule TGLS = 4-22]		
	[Mixed Cell Focus TGLS = 5-23]		
* Lung		Edema	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Minimal
	[Fibroadenoma TGLS = 1-21]		
	[Hyperplasia TGLS = 2-8]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-1]		
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Moderate
	Note: CYTOPLAS ALTER INVOLVES THE PAROTID GLAND		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 336

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48530

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 337

TRT#: 4

SEX: Female

DAY ON TEST: 591

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46464

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hypercellularity	Moderate
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-21]			
* Kidney	Renal Tubule	Cytoplasmic Alteration	Moderate
		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Ovary		Cyst	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
[Hematopoietic Cell Proliferation TGLS = 2-6]			
[Leukemia Mononuclear TGLS = 2-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: LEUKEMIA MONUC IS IN AN EARLY STAGE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 338

TRT#: 4

SEX: Female

DAY ON TEST: 457

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 88-45618

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
* Lung		Inflammation	Subacute, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-1]			
* Spleen		Pigmentation	Moderate
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 339

TRT#: 4

SEX: Female

DAY ON TEST: 625

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46901

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
		Vacuolization Cytoplasmic	Focal, Mild
* Brain		Compression	
		Hydrocephalus	Mild
[Compression TGLS = 5-1-1]			
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Inflammation	Subacute, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Lobular, Moderate
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
[Hyperplasia TGLS = 1-8]			
* Nose		Exudate	
* Ovary		Cyst	
[Cyst TGLS = 3-7]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 339

TRT#: 4

SEX: Female

DAY ON TEST: 625

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46901

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 340

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48531

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Ovary | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|-------------------|---------------|-----------------------------------|---------------------------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| Eye | Retina | Atrophy | Marked |
| | | Cataract | Moderate |
| | | | [Cataract TGLS = 1-21] |
| * Kidney | | Mineralization | Moderate |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Hyperplasia | Focal, Moderate |
| | | | Note: BASOPHILIC FOCI ALSO ON SLIDE 6 |
| | | | [Basophilic Focus TGLS = 4-23] |
| | | | [Hyperplasia TGLS = 3-22] |
| * Mammary Gland | | Hyperplasia | Lobular, Mild |
| | | Hyperplasia | Cystic, Mild |
| | | | [Hyperplasia TGLS = 2-8] |
| | | | [Hyperplasia TGLS = 2-8] |
| * Nose | | Exudate | |
| | | | Note: EXUDATE IS IN NASOLACRIMAL DUCT |
| * Pancreas | | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Cyst | |
| | Pars Distalis | Hyperplasia | Moderate |
| * Spleen | | Pigmentation | Mild |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 340

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48531

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 341

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48532

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Angiectasis	Moderate
		Granuloma	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Angiectasis TGLS = 3-22]		
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1-21]		
* Ovary		Cyst	
	[Cyst TGLS = 2-7]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 342

TRT#: 4

SEX: Female

DAY ON TEST: 611

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46902

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Granuloma	Minimal
		Hyperplasia	Focal, Moderate
* Lymph Node, Mandibular		Ectasia	Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose		Exudate	
		Foreign Body	Mild
		Fungus	
	Mucosa	Hyperplasia	Mild
	Mucosa	Metaplasia	Squamous, Minimal
* Pancreas		Atrophy	Mild
	Acinar Cell	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
	[Adenoma TGLS = 1-1]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 342

TRT#: 4

SEX: Female

DAY ON TEST: 611

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46902

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 343

TRT#: 4

SEX: Female

DAY ON TEST: 610

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46903

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
Ear	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Cyst	
		Hemorrhage	Mild
* Bone Marrow		Hypercellularity	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fibrosarcoma	Metastatic (Skin)
		Granuloma	Minimal
		Leukemia Mononuclear	
[Fibrosarcoma TGLS = 2-22]			
* Lung		Fibrosarcoma	Metastatic (Skin)
[Fibrosarcoma TGLS = 3-2]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Ovary		Fibrosarcoma	Metastatic (Skin)
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 1-21]			
* Spleen		Fibrosarcoma	Metastatic (Skin)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 343

TRT#: 4
DOSE: 0.25%

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 610
HISTO: 88-46903

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland
* Uterus

Hematopoietic Cell Proliferation	Moderate
Leukemia Mononuclear	
Ultimobranchial Cyst	
Hydrometra	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: HYPERTROPHIED, NECROTIC BL VESSEL, SLIDE 7; NOT CODED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 344

TRT#: 4

SEX: Female

DAY ON TEST: 457

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 88-45619

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone		Developmental Malformation	
[Developmental Malformation TGLS = 1-21]			
* Brain		Developmental Malformation	
Note: CEREBRAL PARENCHYMA IS ATROPHIC			
Note: THE DEVELOP MALFOR IS A CYSTIC DILATATION OF THE LATERAL			
Note: VENTRICLE WHICH EXTENDS TO THE MENINGES;THE ADJACENT			
[Developmental Malformation TGLS = 2-1]			
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Granuloma	Minimal
		Inflammation	Subacute, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
* Spleen		Pigmentation	Mild
* Stomach, Glandular	Epithelium	Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 345

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48533

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Focal, Minimal
* Clitoral Gland	Ectasia	Mild
	Inflammation	Suppurative, Mild
[Ectasia TGLS = 7-8]		
[Inflammation TGLS = 6-8]		
* Kidney	Mineralization	Mild
	Nephropathy	Mild
* Liver	Basophilic Focus	
	Granuloma	Mild
	Inflammation	Subacute, Minimal
* Lymph Node, Mandibular	Hyperplasia	Plasma Cell, Mild
	Infiltration Cellular	Mast Cell, Mild
[Hyperplasia TGLS = 5-5]		
[Infiltration Cellular TGLS = 5-5]		
* Lymph Node, Mesenteric	Hyperplasia	Lymphoid, Mild
	Infiltration Cellular	Mast Cell, Mild
[Hyperplasia TGLS = 5-5]		
[Infiltration Cellular TGLS = 5-5]		
* Mammary Gland	Fibroadenoma	
	Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 1-21]		
[Hyperplasia TGLS = 8-8]		
* Nose	Exudate	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 345	TRT#: 4 DOSE: 0.25%	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: 88-48533
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
[Cyst TGLS = 4-1]			
[Hyperplasia TGLS = 4-1]			
* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

Animal Note: SMALL DETACHED PIECE OF ADRENAL ON SLIDE; NOT CODED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 346

TRT#: 4

SEX: Female

DAY ON TEST: 542

DOSE: 0.25%

DISP: Natural Death

HISTO: 88-45988

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Mineralization	Moderate
* Liver	Centrilobular	Atrophy	Mild
		Basophilic Focus	
		Congestion	Moderate
* Lung		Congestion	Mild
		Infiltration Cellular	Histiocyte, Moderate
Note: HISTIOCYTIC INFILTRATE IS DIFFUSE;MANY CELLS CONTAIN			
Note: HEMOSIDERIN-LIKE PIGMENT			
[Congestion TGLS = 3-2]			
[Infiltration Cellular TGLS = 3-2]			
Lymph Node	Mediastinal	Pigmentation	Moderate
[Pigmentation TGLS = 4-3]			
* Lymph Node, Mandibular		Hemorrhage	Marked
* Lymph Node, Mesenteric		Hemorrhage	Moderate
* Pituitary Gland	Pars Distalis	Angiectasis	Minimal
[Angiectasis TGLS = 5-1]			
* Spleen	Lymph Follic	Atrophy	Moderate
		Pigmentation	Moderate
* Uterus		Hydrometra	Mild
Vagina		Exudate	
[Exudate TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 347

TRT#: 4

SEX: Female

DAY ON TEST: 618

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46904

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Minimal
* Bone	Calvarium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 6-21]			
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
* Kidney	Renal Tubule	Cytoplasmic Alteration	Mild
		Leukemia Mononuclear	
		Mineralization	Moderate
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Moderate
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Lobules	Necrosis	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Hemorrhage	Mild
		Leukemia Mononuclear	
[Hemorrhage TGLS = 5-2]			
[Leukemia Mononuclear TGLS = 5-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 347	TRT#: 4	SEX: Female	DAY ON TEST: 618
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 88-46904

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Hyperplasia TGLS = 1-8,1-22]		Hyperplasia	Cystic, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland [Angiectasis TGLS = 7-1]	Pars Distalis Pars Distalis	Angiectasis Cyst	Moderate
* Spleen [Hematopoietic Cell Proliferation TGLS = 2-6-1] [Leukemia Mononuclear TGLS = 2-6-1]		Hematopoietic Cell Proliferation Leukemia Mononuclear	Moderate
* Uterus		Carcinoma In Situ	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 348

TRT#: 4

DOSE: 0.25%

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 612

HISTO: 88-46905

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

Vagina

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone	Calvarium	Osteopetrosis	Moderate
	Femur	Osteopetrosis	Moderate
	Sternum	Osteopetrosis	Moderate
	[Osteopetrosis TGLS = 7-22]		
	[Osteopetrosis TGLS = 7-22]		
	[Osteopetrosis TGLS = 7-22]		
* Brain		Compression	
		Hydrocephalus	Mild
	[Compression TGLS = 9-1-1]		
* Kidney		Mineralization	Mild
		Nephropathy	Moderate
	Interstit Tiss	Pigmentation	Moderate
	Renal Tubule	Pigmentation	Moderate
	[Nephropathy TGLS = 5-5]		
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
	Kupffer Cell	Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 348	TRT#: 4 DOSE: 0.25%	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 612 HISTO: 88-46905
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ORGAN AND ACCOUNTABLE SITE STATUS

Hepatocyte [Leukemia Mononuclear TGLS = 6-6]		Vacuolization Cytoplasmic	Moderate
* Lung Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland [Hyperplasia TGLS = 1-8]		Hyperplasia	Cystic, Mild
* Pancreas		Atrophy	Moderate
* Pituitary Gland [Adenoma TGLS = 8-1]	Pars Distalis	Adenoma	
* Spleen [Fibrosis TGLS = 4-21] [Leukemia Mononuclear TGLS = 3-6]		Fibrosis Leukemia Mononuclear	Moderate
* Stomach, Glandular		Erosion	Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 349

TRT#: 4

SEX: Female

DAY ON TEST: 457

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 88-45620

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Clitoral Gland		Inflammation	Suppurative, Mild
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-1]			
* Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 350

TRT#: 4

SEX: Female

DAY ON TEST: 593

DOSE: 0.25%

DISP: Natural Death

HISTO: 88-46465

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Brain		Compression	
[Compression TGLS = 2-1-1]			
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Subacute, Minimal
* Lung		Congestion	Mild
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-1]			
* Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: URINARY BLADDER CONTAINS INFUSION ARTIFACT

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 351

TRT#: 4

SEX: Female

DAY ON TEST: 457

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 88-45621

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Clitoral Gland [Adenoma TGLS = 2-8-1]		Adenoma	
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Mammary Gland [Hyperplasia TGLS = 1-21]		Hyperplasia	Cystic, Mild
* Ovary		Cyst	
* Pituitary Gland [Adenoma TGLS = 3-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 352

TRT#: 4

SEX: Female

DAY ON TEST: 590

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-46466

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tooth	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone	Calvarium	Osteopetrosis	Moderate
	Femur	Osteopetrosis	Moderate
	Sternum	Osteopetrosis	Moderate
	[Osteopetrosis TGLS = 5-23]		
	[Osteopetrosis TGLS = 5-23]		
	[Osteopetrosis TGLS = 5-23]		
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Granuloma	Moderate
		Hepatodiaphragmatic Nodule	
		Inflammation	Subacute, Mild
	Note: CLEAR CL FOCUS IS ON SLIDE 22		
	[Hepatodiaphragmatic Nodule TGLS = 2-21,3-22]		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Marked
	[Hyperplasia TGLS = 1-8]		
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 352	TRT#: 4	SEX: Female	DAY ON TEST: 590
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 88-46466

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Ulcer	Moderate
Zymbal's Gland	Carcinoma	
[Carcinoma TGLS = 4-24]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 353

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48534

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	
		Hepatodiaphragmatic Nodule	
		Hyperplasia	Focal, Moderate
Note: HEPATOCLR ADEN CONTAINS AREAS OF HEMORRHAGE			
Note: CLEAR CL FOCUS IS ON SLIDE 24			
			[Hepatocellular Adenoma TGLS = 5-23]
			[Hepatodiaphragmatic Nodule TGLS = 6-24]
			[Hyperplasia TGLS = 9-25]
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
			[Hyperplasia TGLS = 4-5]
* Lymph Node, Mesenteric		Hyperplasia	Plasma Cell, Mild
			[Hyperplasia TGLS = 4-5]
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
			[Fibroadenoma TGLS = 1-21]
			[Hyperplasia TGLS = 2-8]
Mesentery	Fat	Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 353	TRT#: 4	SEX: Female	DAY ON TEST: 731
	DOSE: 0.25%	DISP: Terminal Sacrifice	HISTO: 88-48534

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 3-22]

* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Angiectasis	Mild

Note: TWO ADENOMAS ARE PRESENT IN THE PARS DISTALIS

[Adenoma TGLS = 8-1]

* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
		Ultimobranchial Cyst	
* Urinary Bladder	Mucosa	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 354

TRT#: 4

SEX: Female

DAY ON TEST: 703

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-48276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Brain		Compression	
		Hydrocephalus	Mild
	[Compression TGLS = 8-1-1]		
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Granuloma	Mild
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
	Note: GRANULOMAS ARE LARGELY ASSOC. W/ CLEAR CELL FOCI, SLIDE 6-1		
	[Clear Cell Focus TGLS = 5-6-1]		
	[Hepatodiaphragmatic Nodule TGLS = 6-23]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Carcinoma	
		Fibroadenoma	
		Hyperplasia	Lobular, Mild
		Hyperplasia	Cystic, Mild
	[Carcinoma TGLS = 3-22]		
	[Fibroadenoma TGLS = 2-21]		
	[Hyperplasia TGLS = 1-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 354	TRT#: 4	SEX: Female	DAY ON TEST: 703
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 88-48276

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Spleen		Leukemia Mononuclear Pigmentation	Mild
* Stomach, Forestomach		Edema Ulcer	Moderate Moderate
[Ulcer TGLS = 9-4,9-4-1]			
* Stomach, Glandular		Edema	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: POSSIBLE SLIGHT INCREASE IN SMOOTH MUSCLE OF UTERINE

Animal Note: CERVIX; NOT CODED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 355

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48535

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 356

TRT#: 4

DOSE: 0.25%

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 88-48536

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
		Hyperplasia	Focal, Mild
* Brain		Compression	
		Hydrocephalus	Mild
[Compression TGLS = 8-1-1]			
* Heart		Cardiomyopathy	Mild
[Cardiomyopathy TGLS = 5-5-1]			
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Granuloma	Minimal
	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Focal, Moderate
		Mixed Cell Focus	
[Hyperplasia TGLS = 10-23]			
[Hyperplasia TGLS = 10-23]			
[Mixed Cell Focus TGLS = 3-22]			
* Lung		Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLS = 9-2-1]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 6-5]			
* Mammary Gland		Hyperplasia	Lobular, Marked
		Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 356	TRT#: 4	SEX: Female	DAY ON TEST: 731
	DOSE: 0.25%	DISP: Terminal Sacrifice	HISTO: 88-48536

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-8,1-21]			
[Hyperplasia TGLS = 2-8,1-21]			
* Nose		Exudate	
* Ovary		Cyst	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach		Edema	Minimal
		Erosion	Mild
	Mucosa	Hyperplasia	Minimal
[Erosion TGLS = 11-4-1]			
[Hyperplasia TGLS = 11-4-1]			
* Thyroid Gland	C Cell	Adenoma	
	Follicle	Cyst	
[Adenoma TGLS = 4-3]			
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 357

TRT#: 4

SEX: Female

DAY ON TEST: 430

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-45518

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Pigmentation	Mild
[Pigmentation TGLS = 5-10]			
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Marked
* Kidney		Leukemia Mononuclear	
		Mineralization	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Marked
* Liver		Leukemia Mononuclear	
	Kupffer Cell	Pigmentation	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Leukemia Mononuclear TGLS = 6-6-1]			
[Vacuolization Cytoplasmic TGLS = 7-6-1]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7]			
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-21]			
* Ovary		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 357

TRT#: 4

SEX: Female

DAY ON TEST: 430

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 88-45518

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 2-7]		Leukemia Mononuclear	
* Pancreas		Atrophy	Moderate
Skeletal Muscle		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-22]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 10-3]			
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 358

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48537

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
		Vacuolization Cytoplasmic	Focal, Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Granuloma	Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 359

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 88-48538

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone	Calvarium	Osteopetrosis	Moderate
	Femur	Osteopetrosis	Moderate
	Sternum	Osteopetrosis	Moderate
	[Osteopetrosis TGLS = 9-28]		
	[Osteopetrosis TGLS = 9-28]		
	[Osteopetrosis TGLS = 9-28]		
* Bone Marrow		Myelofibrosis	Minimal
* Brain		Compression	
	[Compression TGLS = 10-1-1]		
* Clitoral Gland		Hyperplasia	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Hyperplasia	Focal, Mild
		Inflammation	Subacute, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 7-26,8-27]		
	[Hyperplasia TGLS = 12-29]		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Carcinoma	
		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Carcinoma TGLS = 2-21]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 359	TRT#: 4 DOSE: 0.25%	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: 88-48538
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ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 3-22,4-23] [Hyperplasia TGLS = 1-8] Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-24,6-25] * Pancreas		Atrophy	Mild
* Pituitary Gland [Adenoma TGLS = 11-1]	Pars Distalis	Adenoma	
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 360

TRT#: 4

SEX: Female

DAY ON TEST: 457

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 88-45622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Focal, Mild
* Clitoral Gland	Inflammation	Chronic, Mild
* Intestine Large, Rectum	Parasite Metazoan	
* Kidney	Mineralization	Moderate
	Nephropathy	Minimal
* Liver	Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 3-22]		
* Mammary Gland	Fibroadenoma	
	Hyperplasia	Cystic, Minimal
[Fibroadenoma TGLS = 1-21]		
* Ovary	Cyst	
[Cyst TGLS = 2-7]		
* Spleen	Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 361

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48490

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Compression	
[Compression TGLS = 5-1-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Moderate
		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
Note: BILE DUCT HYPERPLASIA IS ON SLIDE 22			
[Basophilic Focus TGLS = 6-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 3-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Minimal
		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 362

TRT#: 6

SEX: Female

DAY ON TEST: 562

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46376

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Ovary	* Parathyroid Gland	* Salivary Glands
* Thymus	* Trachea	* Urinary Bladder	* Uterus
Vagina			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Fibrous Osteodystrophy	Mild
* Intestine Small, Duodenum		Erosion	Mild
* Kidney		Inflammation	Suppurative, Minimal
		Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Nose		Exudate	
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Marked
* Pituitary Gland		Pigmentation	Moderate
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach	Mucosa	Hyperplasia	Marked
		Ulcer	Marked
[Hyperplasia TGLS = 6-4,6-23]			
[Ulcer TGLS = 5-22]			
* Stomach, Glandular		Ulcer	Mild
[Ulcer TGLS = 5-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 362

TRT#: 6
DOSE: 0.50%

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 562
HISTO: 88-46376

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Degeneration

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 363

TRT#: 6

SEX: Female

DAY ON TEST: 699

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Brain | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose |
| * Ovary | * Parathyroid Gland | * Salivary Glands | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

INSUFFICIENT TISSUE

- * Skin

OBSERVATIONS

- | | | | |
|--|---------------|----------------------|----------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-10] | | | |
| * Adrenal Medulla | | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-10] | | | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Clitoral Gland | | Carcinoma | |
| Note: CARCINOMA PRESENT IN BOTH GLANDS | | | |
| [Carcinoma TGLS = 2-8] | | | |
| * Kidney | | Mineralization | Moderate |
| | | Nephropathy | Mild |
| | Renal Tubule | Pigmentation | Mild |
| [Nephropathy TGLS = 7-5] | | | |
| [Pigmentation TGLS = 7-5] | | | |
| * Liver | Centrilobular | Atrophy | Mild |
| | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 8-6-1] | | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 363	TRT#: 6	SEX: Female	DAY ON TEST: 699
	DOSE: 0.50%	DISP: Moribund Sacrifice	HISTO: 88-48277

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Ectasia	Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Adenoma	
		Fibroadenoma	
		Hyperplasia	Cystic, Mild
[Adenoma TGLS = 3-21]			
[Fibroadenoma TGLS = 4-22]			
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Stomach, Forestomach	Mucosa	Hyperplasia	Mild
		Ulcer	Moderate
[Ulcer TGLS = 11-4,11-4-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 364

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48491

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Bone Marrow | * Esophagus | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|-------------------|---|---------------------------|------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Focal, Minimal |
| * Adrenal Medulla | | Hyperplasia | Minimal |
| * Bone | Calvarium | Osteopetrosis | Moderate |
| | Femur | Osteopetrosis | Moderate |
| | Sternum | Osteopetrosis | Marked |
| | [Osteopetrosis TGLS = 13-9,10-25,14-12] | | |
| | [Osteopetrosis TGLS = 13-9,10-25,14-12] | | |
| | [Osteopetrosis TGLS = 13-9,10-25,14-12] | | |
| * Brain | | Compression | |
| | [Compression TGLS = 11-1-1] | | |
| * Clitoral Gland | | Hyperplasia | Minimal |
| | | Inflammation | Chronic, Minimal |
| | [Hyperplasia TGLS = 3-8] | | |
| | [Inflammation TGLS = 3-8] | | |
| Eye | Retina | Atrophy | Marked |
| | | Cataract | Moderate |
| | [Cataract TGLS = 1-21] | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Moderate |
| | | Nephropathy | Mild |
| | [Nephropathy TGLS = 6-5] | | |
| * Liver | | Angiectasis | Mild |
| | | Basophilic Focus | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 364	TRT#: 6	SEX: Female	DAY ON TEST: 730
	DOSE: 0.50%	DISP: Terminal Sacrifice	HISTO: 88-48491

ORGAN AND ACCOUNTABLE SITE STATUS

		Granuloma	Minimal
		Hepatodiaphragmatic Nodule	
		Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	
	[Angiectasis TGLS = 9-24,7-6]		
	[Hepatodiaphragmatic Nodule TGLS = 8-23,15-26]		
	[Hyperplasia TGLS = 9-24]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
	[Hyperplasia TGLS = 2-8]		
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 5-22]		
* Ovary		Cyst	
	[Cyst TGLS = 4-7]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Angiectasis	Moderate
	Pars Intermed	Hyperplasia	Mild
	Note: HYPERPLASTIC PARS INTERMEDIA ENCROACHING ON PARS NERVOSA		
	[Adenoma TGLS = 12-1]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		Pigmentation	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 365

TRT#: 6

DOSE: 0.50%

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 575

HISTO: 88-46377

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Pigmentation Vacuolization Cytoplasmic	Moderate Focal, Mild
[Leukemia Mononuclear TGLS = 6-10,6-10]			
[Pigmentation TGLS = 6-10]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-10,6-10]			
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Renal Tubule	Cytoplasmic Alteration Mineralization Nephropathy	Mild Mild Mild
	Renal Tubule	Pigmentation	Moderate
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Leukemia Mononuclear Vacuolization Cytoplasmic	Moderate
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 2-8]			
Mesentery	Fat	Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 365	TRT#: 6	SEX: Female	DAY ON TEST: 575
	DOSE: 0.50%	DISP: Moribund Sacrifice	HISTO: 88-46377

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 3-21]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
		Leukemia Mononuclear	
[Adenoma TGLS = 8-1]			
[Angiectasis TGLS = 8-1]			
[Leukemia Mononuclear TGLS = 8-1]			
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-22]			
[Leukemia Mononuclear TGLS = 4-6]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 366

TRT#: 6

SEX: Female

DAY ON TEST: 637

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-47025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Mineralization	Mild
		Nephropathy	Moderate
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
		Granuloma	Minimal
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 4-21]			
[Mixed Cell Focus TGLS = 7-22]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			
* Nose		Exudate	
		Foreign Body	Mild
	Mucosa	Hyperplasia	Mild
		Cyst	
* Ovary			
[Cyst TGLS = 2-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
Note: TWO ADENOMAS ARE PRESENT IN PITUITARY GLAND			
[Adenoma TGLS = 5-1]			
* Spleen		Leukemia Mononuclear	
		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 366

TRT#: 6

SEX: Female

DAY ON TEST: 637

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-47025

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

Animal Note: SMALL AMOUNT OF PHAGOCYTIZED HEMOSIDERIN PIGMENT

Animal Note: AT INFUNDIBULUM OF BRAIN; NOT CODED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 367

TRT#: 6

SEX: Female

DAY ON TEST: 565

DOSE: 0.50%

DISP: Natural Death

HISTO: 88-46378

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Bone | * Bone Marrow | * Clitoral Gland |
| * Esophagus | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Ovary | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

AUTO PRECLUDES DIAG.

- | | |
|----------------------|------------|
| * Islets, Pancreatic | * Pancreas |
|----------------------|------------|

OBSERVATIONS

- | | | | |
|--|---------------|--------------------------|---------------------|
| * Adrenal Medulla | | Pheochromocytoma Complex | |
| [Pheochromocytoma Complex TGLS = 1-21] | | | |
| * Brain | | Compression | |
| [Compression TGLS = 3-1-1] | | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Moderate |
| | | Nephropathy | Moderate |
| * Liver | Centrilobular | Necrosis | Mild |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| * Mammary Gland | | Hyperplasia | Lobular, Mild |
| | | Hyperplasia | Cystic, Mild |
| [Hyperplasia TGLS = 4-8] | | | |
| [Hyperplasia TGLS = 4-8] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 2-1] | | | |
| * Spleen | | Pigmentation | Moderate |

PRIMARY CAUSE OF DEATH

Animal Note: EXTENSIVE CORTICAL NECROSIS ASSOC. W/ TUMOR; NOT CODED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 368

TRT#: 6

SEX: Female

DAY ON TEST: 457

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 88-45623

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Adrenal Medulla		Angiectasis	Mild
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Inflammation	Subacute, Minimal
Lymph Node	Pancreatic	Hemorrhage	Minimal
	Pancreatic	Pigmentation	Mild
[Hemorrhage TGLS = 2-21]			
[Pigmentation TGLS = 2-21]			
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 369

TRT#: 6

SEX: Female

DAY ON TEST: 573

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46379

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
Vagina			

OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
		Vacuolization Cytoplasmic	Diffuse, Moderate
* Adrenal Medulla		Leukemia Mononuclear	
* Bone	Calvarium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 10-21]			
* Bone Marrow		Leukemia Mononuclear	
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
* Liver		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Marked
[Leukemia Mononuclear TGLS = 6-6]			
[Vacuolization Cytoplasmic TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 4-8]			
* Ovary		Cyst	
[Cyst TGLS = 3-7]			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 369	TRT#: 6	SEX: Female	DAY ON TEST: 573
	DOSE: 0.50%	DISP: Moribund Sacrifice	HISTO: 88-46379

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 7-1]			
[Hyperplasia TGLS = 7-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Stomach, Forestomach	Mucosa	Hyperplasia	Mild
		Ulcer	Marked
[Ulcer TGLS = 9-4,8-4]			
* Stomach, Glandular		Erosion	Mild
		Ulcer	Mild
[Erosion TGLS = 9-4-1]			
[Ulcer TGLS = 9-4,8-4]			
* Uterus		Polyp Stromal	
Note: MUCOSAL HYPERPL. ASSOC. W/ POLYP; NOT CODED			
[Polyp Stromal TGLS = 2-7-1]			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL 8 NOT SEEN ON SLIDE 4-1

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 370

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48492

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

Vagina

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Bone	Calvarium	Osteopetrosis	Mild
	Femur	Osteopetrosis	Mild
	Sternum	Osteopetrosis	Mild
	[Osteopetrosis TGLS = 2-21]		
	[Osteopetrosis TGLS = 2-21]		
	[Osteopetrosis TGLS = 2-21]		
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Hyperplasia	Focal, Moderate
	[Hepatodiaphragmatic Nodule TGLS = 4-23]		
	[Hyperplasia TGLS = 3-22]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Lobular, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 370

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48492

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Hydrometra

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 371

TRT#: 6

SEX: Female

DAY ON TEST: 703

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48278

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone	Calvarium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 12-25]			
* Brain		Compression	
[Compression TGLS = 10-1-1]			
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Erosion	Mild
[Erosion TGLS = 13-26]			
* Kidney		Mineralization	Moderate
		Nephropathy	Moderate
[Nephropathy TGLS = 5-5]			
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Clear Cell Focus	
		Granuloma	Mild
Note: CLEAR CELL FOCI ALSO PRESENT ON SLIDE 6			
[Clear Cell Focus TGLS = 6-24]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 11-2-1]			
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Mild
[Hemorrhage TGLS = 8-3]			
[Pigmentation TGLS = 8-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 371	TRT#: 6 DOSE: 0.50%	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 703 HISTO: 88-48278
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ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 2-21,3-22]			
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-23]			
* Nose		Exudate Foreign Body	Moderate
	Mucosa	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLS = 9-1]			
* Spleen	Red Pulp	Atrophy Hematopoietic Cell Proliferation Pigmentation	Minimal Mild Mild
* Stomach, Forestomach		Fibrosis	Moderate
	Mucosa	Hyperplasia Perforation	Moderate
[Perforation TGLS = 7-4-1]			
* Stomach, Glandular		Carcinoid Tumor Benign	
[Carcinoid Tumor Benign TGLS = 14-27]			
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 372

TRT#: 6

SEX: Female

DAY ON TEST: 457

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 88-45624

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Bone Marrow		Myelofibrosis	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Subacute, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Ovary		Cyst	
[Cyst TGLS = 2-7-3]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Pigmentation	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 1-7-2,3-7-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 373

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48493

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-8-1]			
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-24]			
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
		Angiectasis	Moderate
		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
[Angiectasis TGLS = 6-22]			
[Hepatodiaphragmatic Nodule TGLS = 5-21]			
[Hyperplasia TGLS = 9-23]			
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Mild
[Hemorrhage TGLS = 7-3-1]			
[Leukemia Mononuclear TGLS = 7-3-1]			
[Pigmentation TGLS = 7-3-1]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 373	TRT#: 6	SEX: Female	DAY ON TEST: 730
	DOSE: 0.50%	DISP: Terminal Sacrifice	HISTO: 88-48493

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-3-1]			
* Mammary Gland		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 1-8]			
* Ovary		Cyst	
[Cyst TGLS = 3-7]			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
[Angiectasis TGLS = 8-1]			
[Hyperplasia TGLS = 8-1]			
* Spleen		Leukemia Mononuclear	
* Uterus	Endometrium	Fibrosis	Moderate
		Hyperplasia	Cystic, Minimal
[Fibrosis TGLS = 4-7]			
[Hyperplasia TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 374

TRT#: 6

SEX: Female

DAY ON TEST: 651

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48279

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Trachea	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
		Hematopoietic Cell Proliferation	Mild
		Vacuolization Cytoplasmic	Diffuse, Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Thrombosis	
* Intestine Small, Duodenum		Erosion	Moderate
[Erosion TGLS = 4-1]			
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Marked
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8]			
* Lymph Node, Mandibular		Ectasia	Moderate
		Leukemia Mononuclear	
[Ectasia TGLS = 1-8]			
[Leukemia Mononuclear TGLS = 1-8]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Hyperplasia	Plasma Cell, Mild
		Infiltration Cellular	Mast Cell, Moderate
* Mammary Gland		Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 374

TRT#: 6

DOSE: 0.50%

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 651

HISTO: 88-48279

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Cyst	
[Cyst TGLS = 5-7]			
* Pancreas		Atrophy	Mild
	Acinar Cell	Cytoplasmic Alteration	Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	
	Pars Intermed	Cyst	
	Pars Distalis	Hyperplasia	Moderate
		Pigmentation	Mild
[Angiectasis TGLS = 8-1]			
[Hyperplasia TGLS = 7-1]			
Spinal Cord		Hemorrhage	Moderate
* Spleen		Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
Note: FIBROSIS INVOLVES CAPSULE			
[Hematopoietic Cell Proliferation TGLS = 2-6]			
[Leukemia Mononuclear TGLS = 2-6]			
* Stomach, Forestomach		Fibrosis	Marked
	Mucosa	Hyperplasia	Marked
		Ulcer	Marked
[Ulcer TGLS = 10-23]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 6-21]			
* Urinary Bladder		Dilatation	Mild
		Hemorrhage	Minimal
[Dilatation TGLS = 4-11]			

PRIMARY CAUSE OF DEATH

-

Animal Note: ULCERS PRESENT ALSO ON SLIDES 4 AND 4-1

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 375

TRT#: 6

SEX: Female

DAY ON TEST: 377

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 87-45216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Bone	Calvarium	Osteopetrosis	Mild
	[Osteopetrosis TGLS = 2-21]		
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Lymph Node, Mandibular		Ectasia	Mild
		Hyperplasia	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Nose		Exudate	
		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLS = 4-22]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-1]		
* Spleen		Pigmentation	Mild
	Note: PIGMENT APPEARS TO BE HEMOSIDERIN		
* Stomach, Forestomach		Erosion	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 376

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48494

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone	Calvarium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 5-24]			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 2-21]			
* Kidney		Inflammation	Suppurative, Minimal
		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Granuloma	Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-22,4-23]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hemorrhage	Mild
* Mammary Gland		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Mild
* Stomach, Forestomach		Edema	Mild
	Mucosa	Hyperplasia	Mild
		Ulcer	Mild
[Hyperplasia TGLS = 7-4-1]			
[Ulcer TGLS = 7-4-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 376

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48494

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: INFUSION ARTIFACT IN URINARY BLADDER

Animal Note: ADRENAL MEDULLA CONTAINS VERY SMALL FOCUS OF

Animal Note: BASOPHILIC CELLS; NOT CODED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 377

TRT#: 6

SEX: Female

DAY ON TEST: 694

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48280

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Skin
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Bone		Fibrous Osteodystrophy	Minimal
	Calvarium	Osteopetrosis	Mild
	Femur	Osteopetrosis	Mild
	Sternum	Osteopetrosis	Mild
	[Osteopetrosis TGLS = 8-25]		
	[Osteopetrosis TGLS = 8-25]		
	[Osteopetrosis TGLS = 8-25]		
* Kidney		Inflammation	Suppurative, Minimal
		Mineralization	Moderate
		Nephropathy	Marked
	[Nephropathy TGLS = 4-5]		
* Liver		Hepatodiaphragmatic Nodule	
	Kupffer Cell	Pigmentation	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Hepatodiaphragmatic Nodule TGLS = 7-24]		
* Mammary Gland		Adenoma	
		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
	[Adenoma TGLS = 2-21]		
	[Fibroadenoma TGLS = 3-22,5-23]		
	[Hyperplasia TGLS = 1-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 377	TRT#: 6 DOSE: 0.50%	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 694 HISTO: 88-48280
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Minimal
	Acinar Cell	Cytoplasmic Alteration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Salivary Glands		Atrophy Inflammation	Moderate Suppurative, Mild
Note: LESIONS INVOLVE THE PAROTID GLAND			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Moderate
* Stomach, Forestomach	Mucosa	Hyperplasia Ulcer	Moderate Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 378

TRT#: 6

SEX: Female

DAY ON TEST: 468

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-45683

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea

INSUFFICIENT TISSUE

* Pituitary Gland

OBSERVATIONS

* Bone Marrow		Hypercellularity	Moderate
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
		[Cataract TGLS = 1-44]	
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	
* Lung		Leukocytosis	Mild
* Lymph Node, Mesenteric		Hemorrhage	Marked
		[Hemorrhage TGLS = 3-5]	
* Mammary Gland		Hyperplasia	Cystic, Moderate
Mesentery		Sarcoma Stromal	Metastatic (Uterus)
		[Sarcoma Stromal TGLS = 7-22]	
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Moderate
		Hyperplasia	Lymphoid, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
		Leukemia Mononuclear	
		[Hematopoietic Cell Proliferation TGLS = 2-6]	
		[Leukemia Mononuclear TGLS = 2-6]	
* Thyroid Gland		Ultimobranchial Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 378	TRT#: 6	SEX: Female	DAY ON TEST: 468
	DOSE: 0.50%	DISP: Moribund Sacrifice	HISTO: 88-45683

ORGAN AND ACCOUNTABLE SITE STATUS

* Urinary Bladder		Dilatation	Marked
		Hemorrhage	Moderate
	Mucosa	Hyperplasia	Mild
		Sarcoma Stromal	Metastatic (Uterus)
[Hemorrhage TGLS = 6-11]			
* Uterus		Polyp Stromal	
		Sarcoma Stromal	
[Sarcoma Stromal TGLS = 4-21]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 379

TRT#: 6

SEX: Female

DAY ON TEST: 457

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 88-45625

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 1-21]			
* Lung		Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLS = 2-2]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Mild
* Thyroid Gland	Follicle	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 380

TRT#: 6

SEX: Female

DAY ON TEST: 724

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48495

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

Vagina

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Minimal
* Bone Marrow		Hypercellularity	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 6-22]			
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Kupffer Cell	Hyperplasia	Mild
	Centrilobular	Necrosis	Moderate
	Kupffer Cell	Pigmentation	Moderate
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 10-2-1]			
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Moderate
[Hemorrhage TGLS = 7-3]			
[Pigmentation TGLS = 7-3]			
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			
* Nose		Exudate	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 380

TRT#: 6

SEX: Female

DAY ON TEST: 724

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48495

ORGAN AND ACCOUNTABLE SITE STATUS

	Mucosa	Fungus	
	Mucosa	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Necrosis	Mild
[Adenoma TGLS = 8-1]		Adenoma	
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate
* Uterus		Hemangiosarcoma	
[Hemangiosarcoma TGLS = 4-21]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 381

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48496

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
		Vacuolization Cytoplasmic	Focal, Minimal
* Bone	Calvarium	Osteopetrosis	Minimal
[Osteopetrosis TGLS = 1-21]			
* Bone Marrow		Myelofibrosis	Mild
* Kidney		Mineralization	Moderate
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 4-22]		Inflammation	Subacute, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Ectasia	Mild
		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 3-8]			
* Nose		Exudate	
		Foreign Body	Minimal
		Fungus	
	Mucosa	Hyperplasia	Mild
	Mucosa	Metaplasia	Squamous, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 381	TRT#: 6 DOSE: 0.50%	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 88-48496
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ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
[Adenoma TGLS = 2-1]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thyroid Gland	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 382

TRT#: 6

SEX: Female

DAY ON TEST: 332

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 87-45217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney	Mineralization	Moderate
	Nephropathy	Minimal
* Liver	Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-21]		
* Ovary	Cyst	
[Cyst TGLS = 1-7]		
* Uterus	Prolapse	
[Prolapse TGLS = 3-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 383

TRT#: 6

SEX: Female

DAY ON TEST: 534

DOSE: 0.50%

DISP: Natural Death

HISTO: 88-45989

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Intestine Large, Cecum [Dilatation TGLS = 7-4]		Dilatation	Moderate
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
	Lobules	Necrosis	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Necrosis TGLS = 4-21]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland [Hyperplasia TGLS = 1-8]		Hyperplasia	Cystic, Minimal
* Nose		Exudate	
		Fungus	
	Mucosa	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach [Hyperplasia TGLS = 8-4,8-22]	Mucosa	Hyperplasia	Mild
Vagina		Exudate	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 383

TRT#: 6

SEX: Female

DAY ON TEST: 534

DOSE: 0.50%

DISP: Natural Death

HISTO: 88-45989

ORGAN AND ACCOUNTABLE SITE STATUS

[Exudate TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 384

TRT#: 6

SEX: Female

DAY ON TEST: 457

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 88-45626

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Focal, Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Inflammation	Subacute, Minimal
Lymph Node	Pancreatic	Hemorrhage	Mild
[Hemorrhage TGLS = 2-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-1]			
* Spleen		Pigmentation	Moderate
* Stomach, Glandular	Epithelium	Dilatation	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 385

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48497

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Focal, Moderate
Eye	Retina	Atrophy	Marked
		Cataract	Marked
[Cataract TGLS = 1-21]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Lobules	Hyperplasia	Focal, Moderate
[Clear Cell Focus TGLS = 4-23]		Necrosis	Minimal
* Lymph Node, Mandibular		Ectasia	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Minimal
[Fibroadenoma TGLS = 2-22]			
* Nose		Exudate	
		Foreign Body	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 385

TRT#: 6
DOSE: 0.50%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 88-48497

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 386

TRT#: 6

SEX: Female

DAY ON TEST: 652

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|--------------------------|---------------------------|
| * Adrenal Medulla | * Bone Marrow | * Brain | * Clitoral Gland |
| * Esophagus | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Nose | * Skin | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|----------------------------|---|---------------------------|----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Focal, Minimal |
| * Bone | | Fibrous Osteodystrophy | Mild |
| | Calvarium | Osteopetrosis | Moderate |
| | [Osteopetrosis TGLS = 11-24] | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Intestine Small, Jejunum | Mucosa | Hyperplasia | Diffuse, Mild |
| | [Hyperplasia TGLS = 8-4] | | |
| * Kidney | | Inflammation | Suppurative, Minimal |
| | | Mineralization | Mild |
| | | Nephropathy | Marked |
| | [Nephropathy TGLS = 5-5] | | |
| * Liver | | Basophilic Focus | |
| | | Hyperplasia | Focal, Moderate |
| | Note: BASOPHILIC FOCI ALSO PRESENT ON SLIDES 6 AND 22 | | |
| | [Basophilic Focus TGLS = 7-23] | | |
| | [Hyperplasia TGLS = 6-22] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| * Lymph Node, Mesenteric | | Hemorrhage | Minimal |
| * Mammary Gland | | Fibroadenoma | |
| | | Hyperplasia | Cystic, Minimal |
| | [Fibroadenoma TGLS = 2-21] | | |
| | [Hyperplasia TGLS = 1-8] | | |
| * Ovary | | Cyst | |
| | [Cyst TGLS = 3-7] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 386

TRT#: 6

SEX: Female

DAY ON TEST: 652

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48281

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Moderate
	Acinar Cell	Cytoplasmic Alteration	Moderate
	[Atrophy TGLS = 4-7]		
* Parathyroid Gland		Hyperplasia	Mild
	[Hyperplasia TGLS = 9-3]		
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach		Edema	Moderate
		Fibrosis	Moderate
	Mucosa	Hyperplasia	Marked
		Ulcer	Marked
	[Ulcer TGLS = 10-4,10-4-1]		
* Stomach, Glandular		Edema	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 387

TRT#: 6

SEX: Female

DAY ON TEST: 701

DOSE: 0.50%

DISP: Natural Death

HISTO: 88-48282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Brain		Compression Hydrocephalus	Moderate
[Compression TGLS = 3-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Cytoplasmic Alteration Mineralization Nephropathy	Minimal Moderate Moderate
[Nephropathy TGLS = 2-5]			
* Liver		Granuloma Hepatodiaphragmatic Nodule Vacuolization Cytoplasmic	Minimal Mild
[Hepatodiaphragmatic Nodule TGLS = 7-21]	Hepatocyte		
* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular	Minimal Histiocyte, Minimal
[Hyperplasia TGLS = 6-2-1]			
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Pigmentation	Mild
* Stomach, Forestomach		Edema	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 387

TRT#: 6

SEX: Female

DAY ON TEST: 701

DOSE: 0.50%

DISP: Natural Death

HISTO: 88-48282

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Mucosa

Fibrosis

Mild

Hyperplasia

Minimal

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 388

TRT#: 6

SEX: Female

DAY ON TEST: 457

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 88-45627

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Adrenal Medulla		Angiectasis	Mild
* Kidney		Mineralization	Moderate
		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
Lymph Node	Pancreatic	Hemorrhage	Minimal
[Hemorrhage TGLS = 1-21]			
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 389

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48498

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland		Carcinoma	
Note: CARCINOMA PRESENT IN BOTH CLITORAL GLANDS			
[Carcinoma TGLS = 3-22]			
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
[Cataract TGLS = 1-21]			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Granuloma	Mild
		Hepatodiaphragmatic Nodule	
[Angiectasis TGLS = 8-27]			
[Hepatodiaphragmatic Nodule TGLS = 5-24,6-25]			
* Lymph Node, Mandibular		Hemorrhage	Mild
		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 2-8]			
* Pancreas		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 389	TRT#: 6	SEX: Female	DAY ON TEST: 730
	DOSE: 0.50%	DISP: Terminal Sacrifice	HISTO: 88-48498

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Mild
* Uterus	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: INFUSION ARTIFACT IN URINARY BLADDER

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 390

TRT#: 6

SEX: Female

DAY ON TEST: 384

DOSE: 0.50%

DISP: Natural Death

HISTO: 87-45218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Hemorrhage	Minimal
		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Hyperplasia	Focal, Mild
	[Hepatodiaphragmatic Nodule TGLS = 1-21]		
	[Hyperplasia TGLS = 2-22]		
* Lung		Congestion	Moderate
		Hemorrhage	Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 391

TRT#: 6

SEX: Female

DAY ON TEST: 708

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48283

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

Vagina

INSUFFICIENT TISSUE

* Intestine Small, Duodenum

OBSERVATIONS

* Bone		Fibrous Osteodystrophy	Minimal
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-22]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
		Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 8-5]			
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Focal, Minimal
[Hepatodiaphragmatic Nodule TGLS = 7-23]			
[Hyperplasia TGLS = 12-26]			
[Hyperplasia TGLS = 12-26]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Carcinoma	
		Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 391

TRT#: 6

SEX: Female

DAY ON TEST: 708

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48283

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CARCINOMA HAS A SIGNIFICANT FIBROUS TISSUE COMPONENT

[Carcinoma TGLS = 1-21]

[Hyperplasia TGLS = 3-8]

* Nose

Exudate

* Pancreas

Acinar Cell

Cytoplasmic Alteration

Moderate

* Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Cyst

Pars Distalis

Hyperplasia

Minimal

[Adenoma TGLS = 10-1]

* Stomach, Forestomach

Edema

Mild

Mucosa

Hyperplasia

Moderate

[Edema TGLS = 11-4]

[Hyperplasia TGLS = 11-4]

* Stomach, Glandular

Edema

Minimal

[Edema TGLS = 11-4]

* Uterus

Polyp Stromal

Note: THE POLYP ON SLIDE 25 HAS UNDERGONE NECROSIS

[Polyp Stromal TGLS = 5-24,6-25]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 392

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48499

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Moderate
* Brain		Compression	
[Compression TGLS = 7-1]			
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-8]			
* Kidney		Inflammation	Suppurative, Minimal
		Mineralization	Moderate
		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
		Granuloma	Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
[Fibroadenoma TGLS = 4-22]			
[Hyperplasia TGLS = 8-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 392	TRT#: 6	SEX: Female	DAY ON TEST: 730
	DOSE: 0.50%	DISP: Terminal Sacrifice	HISTO: 88-48499

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach		Edema	Moderate
	Mucosa	Hyperplasia	Mild
		Ulcer	Moderate
[Ulcer TGLS = 9-4,9-24]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 393

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48500

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Focal, Mild
		Vacuolization Cytoplasmic	Focal, Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
		Mineralization	Moderate
		Nephropathy	Moderate
	[Nephropathy TGLS = 5-5]		
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
	[Clear Cell Focus TGLS = 4-22]		
	[Mixed Cell Focus TGLS = 8-23]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Minimal
	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 393

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48500

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLS = 2-3]			
[Leukemia Mononuclear TGLS = 2-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Mammary Gland		Fibroadenoma Hyperplasia	Cystic, Minimal
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 7-8]			
* Nose	Mucosa	Exudate Hyperplasia	Mild
	Mucosa	Metaplasia	Squamous, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Spleen		Hematopoietic Cell Proliferation Leukemia Mononuclear	Minimal
[Leukemia Mononuclear TGLS = 3-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia Polyp Stromal	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 394

TRT#: 6

SEX: Female

DAY ON TEST: 457

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 88-45628

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Bone		Osteosarcoma	
Note: OSTEOSARCOMA INVOLVES CRANIAL BONE ON SLIDE 9 AND IS IN AN EARLY STAGE			
* Bone Marrow		Myelofibrosis	Minimal
* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Granuloma	Minimal
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Minimal
		Hyperplasia	Focal, Moderate
Note: FOCAL HYPERPLASIA ON SLIDE 21 [Hepatodiaphragmatic Nodule TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	
[Angiectasis TGLS = 2-1]			
* Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 395

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48501

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* 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	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
* Trachea			

MISSING

* Islets, Pancreatic

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
		Vacuolization Cytoplasmic	Focal, Minimal
* Bone Marrow		Hypercellularity	Marked
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
	[Cataract TGLS = 1-21]		
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
	[Nephropathy TGLS = 7-5]		
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Subacute, Minimal
		Mixed Cell Focus	
	[Clear Cell Focus TGLS = 10-26]		
	[Mixed Cell Focus TGLS = 11-27]		
* Mammary Gland		Hyperplasia	Cystic, Mild
	[Hyperplasia TGLS = 2-8]		
Mesentery		Carcinoma	Metastatic (Uterus)
	Note: METASTATIC CARCINOMA ALSO PRESENT ON SLIDE 7		
	[Carcinoma TGLS = 6-22,8-23,12-28]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 395	TRT#: 6 DOSE: 0.50%	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 88-48501
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ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Exudate	
		Foreign Body	Moderate
	Mucosa	Hyperplasia	Moderate
* Pancreas		Carcinoma	Metastatic (Uterus)
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
		Pigmentation	Mild
* Stomach, Glandular		Edema	Mild
* Thyroid Gland	Follicle	Cyst	
	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Carcinoma	Metastatic (Uterus)
* Uterus		Carcinoma	
	[Carcinoma TGLS = 4-25]		
Vagina		Exudate	
	[Exudate TGLS = 5-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 396

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48502

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Mineralization	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Cytoplasmic Alteration	Minimal
		Inflammation	Suppurative, Minimal
		Mineralization	Mild
		Nephropathy	Moderate
	[Nephropathy TGLS = 4-5,8-5-1]		
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Hyperplasia	Focal, Mild
	[Hepatodiaphragmatic Nodule TGLS = 5-22,6-23]		
	[Hyperplasia TGLS = 9-24]		
* Mammary Gland		Hyperplasia	Cystic, Minimal
		Hyperplasia	Lobular, Moderate
	[Hyperplasia TGLS = 1-8,2-21]		
	[Hyperplasia TGLS = 1-8,2-21]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thyroid Gland	Follicular Cel	Carcinoma	
	[Carcinoma TGLS = 7-3]		
* Uterus		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 397

TRT#: 6

SEX: Female

DAY ON TEST: 457

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 88-45629

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Granuloma	Minimal
	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Focal, Minimal
		Mixed Cell Focus	
[Hyperplasia TGLS = 1-21]			
[Hyperplasia TGLS = 1-21]			
* Spleen		Pigmentation	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 398

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48503

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Granuloma	Mild
	Kupffer Cell	Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
		Hyperplasia	Lobular, Mild
[Hyperplasia TGLS = 1-8]			
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 399

TRT#: 6

SEX: Female

DAY ON TEST: 563

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46380

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Kidney		Inflammation	Suppurative, Minimal
		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Granuloma	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
		Pigmentation	Mild
[Cyst TGLS = 2-1]			
[Hyperplasia TGLS = 2-1]			
[Pigmentation TGLS = 2-1]			
* Spleen		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 400

TRT#: 6

SEX: Female

DAY ON TEST: 598

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-46906

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus	Vagina	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone	Femur	Osteopetrosis	Mild
	Sternum	Osteopetrosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Thrombosis	
		[Thrombosis TGLS = 6-5]	
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver	Centrilobular	Atrophy	Moderate
		Leukemia Mononuclear	
	Kupffer Cell	Pigmentation	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
		[Leukemia Mononuclear TGLS = 4-6,5-6]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Moderate
		[Hyperplasia TGLS = 1-8]	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 400	TRT#: 6 DOSE: 0.50%	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 598 HISTO: 88-46906
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 2-6]	Pars Distalis	Hyperplasia Leukemia Mononuclear	Minimal
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PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 401

TRT#: 6

SEX: Female

DAY ON TEST: 459

DOSE: 0.50%

DISP: Natural Death

HISTO: 88-45643

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Blood Vessel		Fibrosis	Moderate
		Inflammation	Chronic Active, Moderate
Note: LESIONS ARE ON SLIDE 5 AND INVOLVE MESENTERIC ARTERY			
* Brain		Compression	
[Compression TGLS = 4-1]			
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
		Congestion	Mild
* Lung			
[Congestion TGLS = 2-2]			
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 402

TRT#: 6

DOSE: 0.50%

SEX: Female

DISP: Natural Death

DAY ON TEST: 255

HISTO: 87-45219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Mineralization	Moderate
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-21]			
* Lung		Congestion	Moderate
Lymph Node	Mediastinal	Hemorrhage	Moderate
[Hemorrhage TGLS = 3-3,1-8]			
* Lymph Node, Mandibular		Hemorrhage	Mild
[Hemorrhage TGLS = 3-3,1-8]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Nose		Exudate	
		Fungus	
	Mucosa	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Congestion	Moderate
		Hemorrhage	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 403

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48504

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Bone | * Bone Marrow | * Brain |
| * Esophagus | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mesenteric | * Nose | * Parathyroid Gland |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|----------------------------------|---------------|------------------|-----------------|
| * Adrenal Medulla | | Hyperplasia | Moderate |
| * Clitoral Gland | | Adenoma | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Moderate |
| [Nephropathy TGLS = 2-5] | | | |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Hyperplasia | Focal, Mild |
| | | Mixed Cell Focus | |
| [Hyperplasia TGLS = 5-22] | | | |
| [Hyperplasia TGLS = 5-22] | | | |
| [Mixed Cell Focus TGLS = 4-21] | | | |
| * Lymph Node, Mandibular | | Pigmentation | Mild |
| * Mammary Gland | | Hyperplasia | Cystic, Minimal |
| * Ovary | | Cyst | |
| [Cyst TGLS = 1-7] | | | |
| * Pancreas | | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Intermed | Hypertrophy | Focal, Minimal |
| | | Hypertrophy | Focal, Mild |
| [Adenoma TGLS = 3-1] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 403

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48504

ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands

Acinar Cell

Cytoplasmic Alteration

Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: POSSIBLY ACCESSORY SPLEEN; NOT CODED

Animal Note: FOCUS OF SPLENIC TISSUE IN FAT ADJACENT TO PANCREAS;

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 404

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48505

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Intestine Large, Colon

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Bone	Calvarium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 9-27]			
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 4-23]			
* Kidney		Mineralization	Moderate
		Nephropathy	Moderate
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
Note: BASOPHILIC FOCUS IS ON SLIDES 6 AND 24			
[Hepatodiaphragmatic Nodule TGLS = 6-24,7-25]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21,8-26]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-22]			
* Ovary		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 404	TRT#: 6 DOSE: 0.50%	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 88-48505
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ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 3-7]			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
[Angiectasis TGLS = 10-1]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 405

TRT#: 6

SEX: Female

DAY ON TEST: 457

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 88-45630

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
Note: BASOPHILIC FOCUS IS ON SLIDE 21 [Hepatodiaphragmatic Nodule TGLS = 3-21]			
* Lung		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 406	TRT#: 6	SEX: Female	DAY ON TEST: 321
	DOSE: 0.50%	DISP: Natural Death	HISTO: 87-45220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

AUTO PRECLUDES DIAG.

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

* Bone Marrow	Congestion	Moderate
* Kidney	Mineralization	Moderate
* Lung	Congestion	Mild
* Spleen	Pigmentation	Moderate
* Thymus	Congestion	Moderate
	Hemorrhage	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 407

TRT#: 6

SEX: Female

DAY ON TEST: 703

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48284

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Congestion	Mild
		Hematopoietic Cell Proliferation	Mild
[Congestion TGLS = 5-10]			
[Hematopoietic Cell Proliferation TGLS = 5-10]			
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
[Compression TGLS = 9-1]			
* Heart		Thrombosis	
[Thrombosis TGLS = 7-22]			
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver	Centrilobular	Atrophy	Mild
		Leukemia Mononuclear	
	Kupffer Cell	Pigmentation	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Marked
[Leukemia Mononuclear TGLS = 6-6]			
[Vacuolization Cytoplasmic TGLS = 6-6]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
[Hemorrhage TGLS = 10-5]			
* Mammary Gland		Hyperplasia	Lobular, Mild
[Hyperplasia TGLS = 2-21,1-8]		Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 407	TRT#: 6	SEX: Female	DAY ON TEST: 703
	DOSE: 0.50%	DISP: Moribund Sacrifice	HISTO: 88-48284

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-21,1-8]			
* Ovary		Cyst	
[Cyst TGLS = 3-23]			
* Pancreas		Atrophy	Mild
	Acinar Cell	Cytoplasmic Alteration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	
[Adenoma TGLS = 8-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Stomach, Forestomach		Edema	Mild
	Mucosa	Hyperplasia	Mild
* Stomach, Glandular		Ulcer	Mild
[Ulcer TGLS = 12-4,13-24]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 408

TRT#: 6

SEX: Female

DAY ON TEST: 667

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48285

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Brain		Compression	
[Compression TGLS = 8-1]			
* Esophagus	Mucosa	Hyperplasia	Moderate
[Hyperplasia TGLS = 6-3-1]		Ulcer	Marked
[Ulcer TGLS = 6-3-1]			
* Kidney		Inflammation	Suppurative, Minimal
[Nephropathy TGLS = 4-5]		Mineralization	Moderate
		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Spleen		Pigmentation	Mild
* Stomach, Forestomach		Edema	Marked
	Mucosa	Hyperplasia	Moderate
		Perforation	
[Perforation TGLS = 5-4-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 408

TRT#: 6

SEX: Female

DAY ON TEST: 667

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48285

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: MILD SUPPURATIVE INFLAMM. IN MEDIASTINAL FAT; NOT CODED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 409

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48506

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-8-1]			
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Moderate
		Nephropathy	Moderate
* Liver		Angiectasis	Minimal
		Basophilic Focus	
[Angiectasis TGLS = 6-6]		Leukemia Mononuclear	
* Lung		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Subacute, Mild
Note: MILD FIBROSIS & A FEW CHOLESTEROL CLEFTS ASSOC. W/ Note: CELLULAR INFILTRATE; NOT CODED			
[Infiltration Cellular TGLS = 7-2-1]			
[Inflammation TGLS = 7-2-1]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-21]			
* Ovary		Cyst	
[Cyst TGLS = 2-7]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 409	TRT#: 6 DOSE: 0.50%	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 88-48506
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Pars Distalis	Hyperplasia Hematopoietic Cell Proliferation Leukemia Mononuclear	Mild Mild
	[Hematopoietic Cell Proliferation TGLS = 5-6] [Leukemia Mononuclear TGLS = 5-6]		
* Uterus		Hydrometra Hyperplasia Polyp Stromal	Mild Cystic, Minimal
	Note: STROMAL POLYP HAS UNDERGONE NECROSIS AND HEMORRHAGE [Hydrometra TGLS = 3-7] [Polyp Stromal TGLS = 8-7]		

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 410

TRT#: 6

SEX: Female

DAY ON TEST: 639

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-47026

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	Skeletal Muscle
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	Vagina

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-10]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-10]			
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Mineralization	Moderate
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Marked
* Liver	Centrilobular	Atrophy	Mild
		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8,1-8-1]			
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 410	TRT#: 6 DOSE: 0.50%	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 639 HISTO: 88-47026
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis Pars Distalis	Angiectasis Cyst Leukemia Mononuclear	Moderate
[Angiectasis TGLS = 8-1]			
* Spleen		Leukemia Mononuclear Pigmentation	Mild
[Leukemia Mononuclear TGLS = 4-6]			
* Stomach, Glandular	Epithelium	Dilatation Erosion	Mild Minimal
[Erosion TGLS = 9-22]			

PRIMARY CAUSE OF DEATH

-

Animal Note: DILATATION IS ON SLIDE 22

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 411

TRT#: 6

SEX: Female

DAY ON TEST: 457

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 88-45631

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Granuloma	Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung	Bronchiole, Epithelium	Hyperplasia	Moderate
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Spleen		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 412

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48507

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Bone	Calvarium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 5-23]			
* Clitoral Gland		Adenoma	
Note: SUPPURATIVE INFLAMM. ASSOC. W/ ADENOMA NOT CODED			
[Adenoma TGLS = 2-8]			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Inflammation	Suppurative, Minimal
		Mineralization	Moderate
		Nephropathy	Moderate
* Liver		Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 3-21,4-22]			
* Mammary Gland		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 413

TRT#: 6

DOSE: 0.50%

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 88-48508

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Vagina

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Minimal
* Kidney		Mineralization	Moderate
		Nephropathy	Moderate
	[Nephropathy TGLS = 4-5]		
* Liver		Angiectasis	Moderate
		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
	Note: BASOPHILIC FOCI ALSO PRESENT ON SLIDE 6		
	[Angiectasis TGLS = 9-23]		
	[Basophilic Focus TGLS = 9-23]		
	[Hepatodiaphragmatic Nodule TGLS = 6-22]		
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Alveolar/Bronchiolar Adenoma	Multiple, Two
	[Alveolar/Bronchiolar Adenoma TGLS = 8-2-1]		
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Minimal
	[Fibroadenoma TGLS = 1-21]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 413	TRT#: 6	SEX: Female	DAY ON TEST: 731
	DOSE: 0.50%	DISP: Terminal Sacrifice	HISTO: 88-48508

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-8]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal
[Adenoma TGLS = 7-1]			
* Spleen		Leukemia Mononuclear	
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 414

TRT#: 6

SEX: Female

DAY ON TEST: 645

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-47051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic Hyperplasia	Focal, Mild Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia Inflammation Leukemia Mononuclear Mineralization Nephropathy	Minimal Suppurative, Minimal Moderate Moderate
[Nephropathy TGLS = 5-5]			
* Liver	Centrilobular	Atrophy Basophilic Focus Leukemia Mononuclear	Mild
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Hemorrhage Infiltration Cellular Leukemia Mononuclear Leukemia Mononuclear	Minimal Histiocyte, Minimal
Lymph Node	Mediastinal		
[Leukemia Mononuclear TGLS = 7-3]			
* Lymph Node, Mandibular		Ectasia Leukemia Mononuclear	Mild
[Leukemia Mononuclear TGLS = 7-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 414	TRT#: 6	SEX: Female	DAY ON TEST: 645
	DOSE: 0.50%	DISP: Moribund Sacrifice	HISTO: 88-47051

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 7-3]		Leukemia Mononuclear	
* Mammary Gland [Hyperplasia TGLS = 2-8]		Hyperplasia	Cystic, Minimal
* Nose Note: EXUDATE IS IN NASOLACRIMAL DUCT		Exudate	
* Ovary [Cyst TGLS = 3-7]		Cyst	
* Pancreas		Atrophy	Minimal
* Parathyroid Gland		Fibrosis	Moderate
* Pituitary Gland [Hyperplasia TGLS = 8-1]	Pars Intermed Pars Distalis	Cyst Hyperplasia	Minimal
* Skin [Keratoacanthoma TGLS = 1-21]		Keratoacanthoma	
* Spleen [Leukemia Mononuclear TGLS = 4-6]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

Animal Note: FOCUS OF PROMINENT BASAL CELLS NEAR JUNCTION OF CLITORAL

Animal Note: GLAND AND VAGINA; NOT CODED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 415

TRT#: 6

SEX: Female

DAY ON TEST: 457

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 88-45632

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|----------------------------|---------------|-----------------------|---------------------|
| * Adrenal Cortex | | Angiectasis | Mild |
| * Kidney | | Mineralization | Moderate |
| | | Nephropathy | Mild |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| * Mammary Gland | | Hyperplasia | Cystic, Minimal |
| * Nose | | Exudate | |
| | | Fungus | |
| | Mucosa | Hyperplasia | Moderate |
| | Mucosa | Metaplasia | Squamous, Mild |
| * Pituitary Gland | Pars Distalis | Angiectasis | Moderate |
| [Angiectasis TGLS = 1-1] | | | |
| * Spleen | | Pigmentation | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 416

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48509

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Mammary Gland
* Nose	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-10]			
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-8]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Mineralization	Moderate
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Mild
		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 7-21]			
[Leukemia Mononuclear TGLS = 6-6]			
* Lymph Node, Mandibular		Ectasia	Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 416	TRT#: 6	SEX: Female	DAY ON TEST: 730
	DOSE: 0.50%	DISP: Terminal Sacrifice	HISTO: 88-48509

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Cyst	
[Cyst TGLS = 3-7]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Minimal
	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal
[Angiectasis TGLS = 8-1]			
[Cyst TGLS = 8-1]			
[Hyperplasia TGLS = 8-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
[Hematopoietic Cell Proliferation TGLS = 4-6]			
[Leukemia Mononuclear TGLS = 4-6]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 417

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48510

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Islets, Pancreatic		Adenoma	
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
	[Nephropathy TGLS = 2-5]		
* Liver		Basophilic Focus	
		Granuloma	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
	[Hyperplasia TGLS = 1-8]		
* Ovary		Cyst	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-1]		
* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
		Ultimobranchial Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 418

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48511

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule Hyperplasia Vacuolization Cytoplasmic Compression	Focal, Minimal Focal, Minimal
* Brain [Compression TGLS = 5-1-1]		
* Clitoral Gland Note: CARCINOMA PRESENT IN BOTH GLANDS [Carcinoma TGLS = 3-22]	Carcinoma	
* Heart	Cardiomyopathy	Mild
* Kidney	Inflammation Mineralization Nephropathy	Suppurative, Minimal Mild Mild
* Liver	Basophilic Focus	
* Lymph Node, Mandibular	Ectasia Hyperplasia	Mild Plasma Cell, Mild
* Lymph Node, Mesenteric	Hemorrhage	Minimal
* Mammary Gland [Fibroadenoma TGLS = 2-21] [Hyperplasia TGLS = 1-8]	Fibroadenoma Hyperplasia	Cystic, Mild
* Nose	Exudate	
* Ovary [Cyst TGLS = 4-7]	Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 418	TRT#: 6 DOSE: 0.50%	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 88-48511
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Hyperplasia	Focal, Minimal
* Pituitary Gland	Pars Intermed Pars Distalis	Adenoma Angiectasis	Mild
[Adenoma TGLS = 6-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 419

TRT#: 6

SEX: Female

DAY ON TEST: 694

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 88-48286

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Thymus	Vagina
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Moderate
* Brain		Compression	
[Compression TGLS = 9-1]			
* Clitoral Gland		Ectasia	Mild
[Ectasia TGLS = 2-8]		Hyperplasia	Mild
[Hyperplasia TGLS = 2-8]			
* Kidney		Mineralization	Mild
[Nephropathy TGLS = 5-5]		Nephropathy	Moderate
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 1-8]			
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach		Edema	Moderate
	Mucosa	Hyperplasia	Moderate
		Perforation	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 419	TRT#: 6	SEX: Female	DAY ON TEST: 694
	DOSE: 0.50%	DISP: Moribund Sacrifice	HISTO: 88-48286

ORGAN AND ACCOUNTABLE SITE STATUS

[Perforation TGLS = 6-4-1]		Ulcer	Marked
* Stomach, Glandular		Edema	Mild
		Ulcer	Moderate
[Ulcer TGLS = 10-22]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 4-21 IS CONGESTED PERI-ADRENAL FAT

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 420

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48512

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
		Vacuolization Cytoplasmic	Focal, Moderate
		Compression	
* Brain			
[Compression TGLS = 9-1-1]			
* Clitoral Gland		Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Moderate
[Nephropathy TGLS = 7-5]			
Lacrimal Gland		Ectopic Harderian	
[Ectopic Harderian TGLS = 8-24]			
* Liver		Basophilic Focus	
Note: BASOPHILIC FOCI PRESENT ON SLIDES 6 AND 25			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
Note: FIBROADENOMA ON SLIDE 22 CONTAINS NUMEROUS GALACTOCELES			
[Fibroadenoma TGLS = 1-21,3-22]			
[Hyperplasia TGLS = 2-8]			
* Ovary		Cyst	
[Cyst TGLS = 5-7]			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 420

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 88-48512

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 10-1]

* Spleen

Developmental Malformation

Fibrosis

Minimal

Pigmentation

Mild

Note: DEVELOP MALFOR IS A PORTION OF DETACHED SPLEEN

[Developmental Malformation TGLS = 6-23]

* Stomach, Forestomach

Mucosa

Hyperplasia

Moderate

Note: FORESTOMACH MUCOSA APPEARS MILDLY DYSPLASTIC; NOT CODED

[Hyperplasia TGLS = 12-4-1]

* Thyroid Gland

C Cell

Adenoma

* Uterus

Hyperplasia

Cystic, Mild

Inflammation

Suppurative, Minimal

[Hyperplasia TGLS = 4-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 421

TRT#: 8

SEX: Female

DAY ON TEST: 457

DOSE: 1.00%

DISP: Scheduled Sacrifice

HISTO: 88-45633

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Ovary | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|---|-----------|----------------------------|-------------------|
| * Adrenal Cortex | | Angiectasis | Mild |
| Eye | Retina | Atrophy | Marked |
| | | Cataract | Moderate |
| | | | |
| [Cataract TGLS = 1-21] | | | |
| * Kidney | | Mineralization | Moderate |
| | | Nephropathy | Mild |
| | | | |
| Note: MEDULLA | | | |
| Note: MINERALIZATION IS AT CORTICO-MEDULLARY JUNCTION AND OUTER | | | |
| * Liver | | Basophilic Focus | |
| | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Subacute, Minimal |
| | | | |
| [Hepatodiaphragmatic Nodule TGLS = 2-22] | | | |
| * Mammary Gland | | Hyperplasia | Cystic, Minimal |
| * Pancreas | | Atrophy | Minimal |
| * Spleen | | Pigmentation | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 422

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1.00%

DISP: Terminal Sacrifice

HISTO: 88-48477

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mesenteric | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---|--------------------------------|--|--|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule
Hyperplasia
Vacuolization Cytoplasmic
Adenoma | Focal, Mild
Focal, Minimal |
| * Intestine Small, Jejunum
[Adenoma TGLS = 6-23] | | | |
| * Kidney

[Nephropathy TGLS = 3-5] | | Inflammation
Mineralization
Nephropathy | Suppurative, Minimal
Moderate
Moderate |
| * Liver

[Angiectasis TGLS = 5-22]
[Hyperplasia TGLS = 5-22] | | Angiectasis
Basophilic Focus
Granuloma
Hyperplasia | Mild

Minimal
Focal, Mild |
| * Lymph Node, Mandibular | | Hyperplasia | Plasma Cell, Mild |
| * Mammary Gland
[Hyperplasia TGLS = 1-8] | | Hyperplasia | Cystic, Minimal |
| * Pituitary Gland

[Adenoma TGLS = 4-1]
[Hyperplasia TGLS = 4-1] | Pars Distalis
Pars Distalis | Adenoma
Hyperplasia | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 422

TRT#: 8
DOSE: 1.00%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 88-48477

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-21]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 423

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1.00%

DISP: Terminal Sacrifice

HISTO: 88-48478

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone	Femur	Osteopetrosis	Moderate
	Sternum	Osteopetrosis	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Moderate
		Nephropathy	Moderate
		[Nephropathy TGLS = 2-5]	
* Liver		Basophilic Focus	
		Granuloma	Minimal
		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Focal, Moderate
		Note: GRANULOMA IS ON SLIDE 21	
		[Hyperplasia TGLS = 5-21]	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Ectasia	Mild
		Hemorrhage	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
		[Hyperplasia TGLS = 1-8]	
* Pituitary Gland	Pars Distalis	Adenoma	
		Note: ADENOMA HAS MODERATE DEGREE OF PLEOMORPHISM	
		[Adenoma TGLS = 3-1]	
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 423	TRT#: 8	SEX: Female	DAY ON TEST: 730
	DOSE: 1.00%	DISP: Terminal Sacrifice	HISTO: 88-48478

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach		Fibrosis	Marked
	Mucosa	Hyperplasia	Marked
		Ulcer	Marked
	[Hyperplasia TGLS = 4-4-1]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 424

TRT#: 8

SEX: Female

DAY ON TEST: 610

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-46907

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|------------------------------|------------|----------------------------------|---------------------|
| * Adrenal Cortex | | Hypertrophy | Focal, Minimal |
| * Heart | Myocardium | Inflammation | Chronic, Minimal |
| * Intestine Large, Rectum | | Parasite Metazoan | |
| * Kidney | | Mineralization | Moderate |
| | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Granuloma | Minimal |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| * Mammary Gland | | Fibroadenoma | |
| | | Hyperplasia | Cystic, Minimal |
| [Fibroadenoma TGLS = 1-21] | | | |
| * Ovary | | Cyst | |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |
| | | Ultimobranchial Cyst | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 425

TRT#: 8

SEX: Female

DAY ON TEST: 457

DOSE: 1.00%

DISP: Scheduled Sacrifice

HISTO: 88-45634

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney	Mineralization	Moderate
	Nephropathy	Mild
* Liver	Granuloma	Minimal
* Lymph Node, Mandibular	Hemorrhage	Minimal
* Ovary	Cyst	
[Cyst TGLS = 1-7]		
* Pancreas	Atrophy	Minimal
	Cyst	
* Skin	Acanthosis	Moderate
	Exudate	
[Acanthosis TGLS = 2-21]		
[Exudate TGLS = 2-21]		
* Spleen	Leukemia Mononuclear	
	Pigmentation	Mild
* Uterus	Hydrometra	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:26
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 426

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1.00%

DISP: Terminal Sacrifice

HISTO: 88-48479

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Compression	
[Compression TGLS = 5-1-1]			
* Kidney		Mineralization	Moderate
		Nephropathy	Moderate
[Nephropathy TGLS = 3-5,7-5-1]			
* Liver		Basophilic Focus	
		Granuloma	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 4-21]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
		Pigmentation	Mild
[Adenoma TGLS = 6-1]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Uterus		Hydrometra	Mild
[Hydrometra TGLS = 2-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 426

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1.00%

DISP: Terminal Sacrifice

HISTO: 88-48479

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 427

TRT#: 8

SEX: Female

DAY ON TEST: 610

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-46908

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	Vagina	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone	Calvarium	Osteopetrosis	Moderate
	Femur	Osteopetrosis	Moderate
	Sternum	Osteopetrosis	Moderate
	[Osteopetrosis TGLS = 7-21]		
	[Osteopetrosis TGLS = 7-21]		
	[Osteopetrosis TGLS = 7-21]		
* Bone Marrow		Leukemia Mononuclear	
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Mineralization	Moderate
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Lobules	Necrosis	Minimal
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-8]		
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 427

TRT#: 8

SEX: Female

DAY ON TEST: 610

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-46908

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8]			
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 2-8]			
* Nose		Exudate	
		Foreign Body	Moderate
		Fungus	
	Mucosa	Hyperplasia	Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 428

TRT#: 8

SEX: Female

DAY ON TEST: 511

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-45766

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Bone Marrow | * Brain | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose | * Ovary |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|----------------------------|----------------|-----------------------------------|----------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| * Bone | | Fibrous Osteodystrophy | Mild |
| * Clitoral Gland | | Inflammation | Suppurative, Minimal |
| * Heart | Myocardium | Inflammation | Chronic, Minimal |
| * Kidney | Transit Epithe | Hyperplasia | Minimal |
| | | Mineralization | Moderate |
| | | Nephropathy | Marked |
| [Nephropathy TGLS = 3-5] | | | |
| * Liver | | Basophilic Focus | |
| * Mammary Gland | | Hyperplasia | Cystic, Minimal |
| * Pancreas | | Atrophy | Mild |
| | Acinar Cell | Cytoplasmic Alteration | Moderate |
| * Spleen | Lymph Follic | Atrophy | Moderate |
| | Red Pulp | Atrophy | Moderate |
| | | Pigmentation | Marked |
| Vagina | | Cyst | |
| [Cyst TGLS = 2-21] | | | |

PRIMARY CAUSE OF DEATH -

Animal Note: DIFFUSE GLYCOGEN DEPLETION IN LIVER;NOT CODED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 429

TRT#: 8

SEX: Female

DAY ON TEST: 576

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-46394

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney	Transit Epithe	Hyperplasia Inflammation Mineralization Nephropathy	Minimal Suppurative, Minimal Moderate Marked
Note: WITHIN CORTEX			
Note: MINERALIZ. IS AT CORTICO-MEDULLARY JUNCTION AND [Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-21]			
* Spleen		Pigmentation	Moderate
* Stomach, Glandular	Epithelium	Dilatation Ulcer	Mild Moderate
[Ulcer TGLS = 7-22]			
* Uterus		Pigmentation	Mild
Note: PIGMENT APPEARS TO BE IN EXCESS OF THAT NORMALLY SEEN			
Note: IN THE UTERUS			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 429

TRT#: 8

SEX: Female

DAY ON TEST: 576

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-46394

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 430

TRT#: 8

SEX: Female

DAY ON TEST: 457

DOSE: 1.00%

DISP: Scheduled Sacrifice

HISTO: 88-45635

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- | | | | |
|------------------------|---------------|----------------|-------------------|
| * Kidney | | Mineralization | Mild |
| | | Nephropathy | Mild |
| * Liver | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Subacute, Minimal |
| * Mammary Gland | | Hyperplasia | Cystic, Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Cyst | |
| [Adenoma TGLS = 1-1] | | | |
| * Spleen | | Pigmentation | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 431

TRT#: 8

SEX: Female

DAY ON TEST: 591

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-46467

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone [Osteopetrosis TGLS = 4-22]	Calvarium	Osteopetrosis	Mild
* Kidney [Nephropathy TGLS = 2-5]	Transit Epithe	Hyperplasia Mineralization Nephropathy	Mild Moderate Marked
* Liver		Basophilic Focus	
* Lymph Node, Mesenteric		Infiltration Cellular	Mast Cell, Moderate
* Ovary [Cyst TGLS = 1-7]		Cyst	
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Mild
* Pituitary Gland	Pars Distalis Pars Intermed	Cyst Cyst	
* Spleen		Pigmentation	Mild
* Stomach, Forestomach [Hyperplasia TGLS = 3-21]	Mucosa	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:26

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 432

TRT#: 8

SEX: Female

DAY ON TEST: 625

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-46909

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hypertrophy Vacuolization Cytoplasmic	Focal, Moderate Focal, Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Cytoplasmic Alteration Mineralization Nephropathy	Mild Moderate Mild
* Liver	Renal Tubule Centrilobular Bile Duct	Pigmentation Atrophy Hyperplasia Leukemia Mononuclear	Mild Mild Minimal
	Kupffer Cell	Pigmentation	Mild
	[Leukemia Mononuclear TGLS = 4-6]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
	[Hyperplasia TGLS = 2-8]		
* Nose	Mucosa	Hyperplasia	Minimal
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 5-1]		
* Skin		Acanthosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 432

TRT#: 8

SEX: Female

DAY ON TEST: 625

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-46909

ORGAN AND ACCOUNTABLE SITE STATUS

[Acanthosis TGLS = 1-21]

[Ulcer TGLS = 1-21]

* Spleen

[Leukemia Mononuclear TGLS = 3-6]

Ulcer

Minimal

Leukemia Mononuclear
Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 433

TRT#: 8

SEX: Female

DAY ON TEST: 457

DOSE: 1.00%

DISP: Scheduled Sacrifice

HISTO: 88-45636

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Heart | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|--------------------------|------------|--|-------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule
Hyperplasia | Focal, Minimal |
| * Intestine Large, Cecum | | Parasite Metazoan | |
| * Kidney | | Mineralization
Nephropathy | Mild
Mild |
| * Liver | Bile Duct | Basophilic Focus
Hyperplasia | Minimal |
| * Lymph Node, Mandibular | | Hyperplasia | Plasma Cell, Mild |
| * Spleen | | Pigmentation | Mild |
| * Stomach, Glandular | Epithelium | Dilatation | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 434

TRT#: 8

SEX: Female

DAY ON TEST: 597

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-46910

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Moderate
		Nephropathy	Moderate
	[Nephropathy TGLS = 3-5]		
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 4-21]		
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Ovary		Cyst	
	[Cyst TGLS = 1-7]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Mucosa	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 2-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 435

TRT#: 8

SEX: Female

DAY ON TEST: 476

DOSE: 1.00%

DISP: Natural Death

HISTO: 88-45682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Bone | * Clitoral Gland | * Esophagus |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Mammary Gland | * Nose | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- * Pituitary Gland

OBSERVATIONS

- | | | | |
|--------------------------|-------------------------------------|----------------------|-------------|
| * Adrenal Cortex | | Hyperplasia | Focal, Mild |
| | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 2-1] | | |
| * Kidney | | Leukemia Mononuclear | |
| | | Mineralization | Moderate |
| | | Nephropathy | Mild |
| * Liver | | Leukemia Mononuclear | |
| | Lobules | Necrosis | Mild |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Ovary | | Leukemia Mononuclear | |
| * Pancreas | | Atrophy | Mild |
| * Spleen | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 1-6] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 436

TRT#: 8

SEX: Female

DAY ON TEST: 457

DOSE: 1.00%

DISP: Scheduled Sacrifice

HISTO: 88-45637

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Bone Marrow		Myelofibrosis	Moderate
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Granuloma	Moderate
		Hepatodiaphragmatic Nodule	
		Inflammation	Subacute, Mild
[Hepatodiaphragmatic Nodule TGLS = 2-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Angiectasis	Mild
	Pars Distalis	Cyst	
[Adenoma TGLS = 3-1]			
[Angiectasis TGLS = 3-1]			
* Spleen		Pigmentation	Mild
* Stomach, Glandular	Epithelium	Dilatation	Mild
* Uterus		Hydrometra	Mild
		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 437

TRT#: 8

SEX: Female

DAY ON TEST: 206

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 87-45221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-21]			
* Nose		Exudate	
		Fungus	
	Mucosa	Hyperplasia	Mild
	Mucosa	Metaplasia	Squamous, Moderate
* Spleen		Pigmentation	Mild
* Thymus		Hemorrhage	Mild
[Hemorrhage TGLS = 3-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 438

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1.00%

DISP: Terminal Sacrifice

HISTO: 88-48480

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia Vacuolization Cytoplasmic	Focal, Mild Focal, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone	Calvarium Femur Sternum	Osteopetrosis Osteopetrosis Osteopetrosis	Moderate Mild Mild
	[Osteopetrosis TGLS = 5-22]		
	[Osteopetrosis TGLS = 5-22]		
	[Osteopetrosis TGLS = 5-22]		
* Kidney		Inflammation Mineralization Nephropathy	Suppurative, Minimal Moderate Moderate
	[Nephropathy TGLS = 3-5]		
* Liver		Basophilic Focus Granuloma Hepatodiaphragmatic Nodule	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 4-21]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Hyperplasia	Cystic, Minimal
	[Hyperplasia TGLS = 1-8]		
* Pancreas		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 438

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1.00%

DISP: Terminal Sacrifice

HISTO: 88-48480

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Adenoma

* Spleen

Pars Distalis

Hyperplasia

Hematopoietic Cell Proliferation

Mild

* Urinary Bladder

Pigmentation

Mild

Mineralization

Minimal

Note: THE MINERALIZATION IS SUB-SEROSAL

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 439

TRT#: 8

SEX: Female

DAY ON TEST: 625

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-46911

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Congestion	Mild
		Leukemia Mononuclear	
[Congestion TGLS = 8-10]			
[Leukemia Mononuclear TGLS = 8-10]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-10]			
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Renal Tubule	Cytoplasmic Alteration	Mild
		Mineralization	Moderate
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
* Liver	Centrilobular	Atrophy	Mild
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Kupffer Cell	Pigmentation	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Hepatocellular Adenoma TGLS = 10-22]			
[Leukemia Mononuclear TGLS = 9-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7,12-3,2-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 439	TRT#: 8	SEX: Female	DAY ON TEST: 625
	DOSE: 1.00%	DISP: Moribund Sacrifice	HISTO: 88-46911

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-7,12-3,2-8]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7,12-3,2-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7,12-3,2-8]			
* Mammary Gland		Hyperplasia	Lobular, Mild
		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Intermed	Cyst	
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 7-21]			
[Leukemia Mononuclear TGLS = 5-6]			
* Thyroid Gland	C Cell	Adenoma	
		Degeneration	Cystic, Minimal
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 11-23]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 440

TRT#: 8

SEX: Female

DAY ON TEST: 617

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-46912

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Kidney	Transit Epithe	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
		Mineralization	Moderate
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Angiectasis	Marked
		Basophilic Focus	
[Angiectasis TGLS = 4-6]			
* Mammary Gland		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 1-8]			
* Ovary		Cyst	
[Cyst TGLS = 2-7]			
* Pancreas	Acinar Cell	Atrophy	Minimal
		Cytoplasmic Alteration	Moderate
* Spleen		Pigmentation	Mild
* Thyroid Gland	Follicle	Cyst	
* Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 441

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1.00%

DISP: Terminal Sacrifice

HISTO: 88-48481

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
		Mineralization	Moderate
		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Granuloma	Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 5-21]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 1-8]			
* Ovary		Cyst	
[Cyst TGLS = 2-7]			
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 441	TRT#: 8 DOSE: 1.00%	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 88-48481
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ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands	Pars Distalis	Infiltration Cellular	Histiocyte, Mild
* Spleen	Acinar Cell	Cytoplasmic Alteration	Moderate
		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
	[Hematopoietic Cell Proliferation TGLS = 3-6]		
	[Leukemia Mononuclear TGLS = 3-6]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 442

TRT#: 8

SEX: Female

DAY ON TEST: 667

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-48287

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Hepatocyte	Granuloma	Moderate
		Vacuolization Cytoplasmic	Moderate
Note: BASOPHILIC FOCI & CYTOPLAS. ALTER. ALSO ON SLIDE 6			
[Basophilic Focus TGLS = 4-23]			
[Vacuolization Cytoplasmic TGLS = 3-22]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Marked
		Hyperplasia	Lymphoid, Moderate
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 2-8]			
* Pancreas		Atrophy	Minimal
	Acinar Cell	Cytoplasmic Alteration	Moderate
* Pituitary Gland	Pars Distalis	Angiectasis	Minimal
	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
		Pigmentation	Mild
* Salivary Glands		Atrophy	Mild
Skeletal Muscle		Squamous Cell Carcinoma	Metastatic (Skin)
[Squamous Cell Carcinoma TGLS = 1-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 442	TRT#: 8 DOSE: 1.00%	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 667 HISTO: 88-48287
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ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Squamous Cell Carcinoma	
Note: FOCUS OF SUPPURATIVE INFLAMMATION ADJACENT TO SQUAMOUS CELL			
Note: CARCINOMA ON SLIDE 21			
[Squamous Cell Carcinoma TGLS = 1-21]			
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach		Edema	Moderate
	Mucosa	Hyperplasia	Moderate
Note: FORESTOMACH HYPERPLASIA PRESENT ON SLIDE 4			
* Stomach, Glandular		Erosion	Minimal
[Erosion TGLS = 5-24]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 443

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1.00%

DISP: Terminal Sacrifice

HISTO: 88-48482

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
		Vacuolization Cytoplasmic	Focal, Mild
* Clitoral Gland		Hyperplasia	Minimal
[Hyperplasia TGLS = 1-8]			
* Kidney		Mineralization	Moderate
		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
		Mixed Cell Focus	
	Lobules	Necrosis	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose		Exudate	
Note: EXUDATE IS IN NASOLACRIMAL DUCT			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal
[Adenoma TGLS = 3-1]			
* Spleen		Pigmentation	Mild
* Stomach, Forestomach	Mucosa	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 443

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1.00%

DISP: Terminal Sacrifice

HISTO: 88-48482

ORGAN AND ACCOUNTABLE SITE STATUS

Ulcer

Moderate

[Ulcer TGLS = 4-4-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 444	TRT#: 8	SEX: Female	DAY ON TEST: 674
	DOSE: 1.00%	DISP: Moribund Sacrifice	HISTO: 88-48288

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 7-1]			
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach	Mucosa	Hyperplasia	Mild
[Hyperplasia TGLS = 9-22]			
* Stomach, Glandular		Ulcer	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-23]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 445

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1.00%

DISP: Terminal Sacrifice

HISTO: 88-48483

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Bone	Calvarium	Osteopetrosis	Moderate
	Femur	Osteopetrosis	Marked
	Sternum	Osteopetrosis	Marked
			[Osteopetrosis TGLS = 5-22]
			[Osteopetrosis TGLS = 5-22]
			[Osteopetrosis TGLS = 5-22]
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Moderate
		Nephropathy	Moderate
			[Nephropathy TGLS = 4-5]
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Moderate
			[Infiltration Cellular TGLS = 7-2-1]
Mesentery	Fat	Necrosis	Moderate
			[Necrosis TGLS = 2-21]
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
			[Adenoma TGLS = 6-1]
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 445

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1.00%

DISP: Terminal Sacrifice

HISTO: 88-48483

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Pigmentation

Mild

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: MAMMARY GLAND PRESENT ADJACENT TO CLITORAL GL, SLIDE 8

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 446

TRT#: 8

SEX: Female

DAY ON TEST: 703

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-48289

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule	
	Angiectasis	Mild
* Clitoral Gland	Inflammation	Chronic, Mild
Eye	Cataract	Minimal
[Cataract TGLS = 1-21]		
* Heart	Cardiomyopathy	Minimal
* Kidney	Inflammation	Suppurative, Minimal
	Mineralization	Mild
	Nephropathy	Moderate
[Nephropathy TGLS = 4-5]		
* Liver	Basophilic Focus	
	Granuloma	Mild
	Mixed Cell Focus	
Note: BASOPHILIC FOCI ALSO ON SLIDE 6		
Note: GRANULOMAS ARE ON SLIDE 23 WITHIN THE MIXED CELL FOCUS		
[Basophilic Focus TGLS = 6-24]		
[Mixed Cell Focus TGLS = 5-23]		
* Lung	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 8-2-1]		
* Lymph Node, Mandibular	Hyperplasia	Plasma Cell, Mild
* Mammary Gland	Fibroadenoma	
	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 446	TRT#: 8	SEX: Female	DAY ON TEST: 703
	DOSE: 1.00%	DISP: Moribund Sacrifice	HISTO: 88-48289

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 3-22]			
[Hyperplasia TGLS = 2-8]			
* Pancreas		Atrophy	Minimal
	Acinar Cell	Cytoplasmic Alteration	Mild
* Pituitary Gland	Pars Intermed	Angiectasis	Mild
	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
		Pigmentation	Mild
[Hyperplasia TGLS = 7-1]			
* Spleen		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 447

TRT#: 8

SEX: Female

DAY ON TEST: 631

DOSE: 1.00%

DISP: Natural Death

HISTO: 88-46992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone [Osteopetrosis TGLS = 8-23]	Calvarium	Osteopetrosis	Mild
* Brain [Compression TGLS = 5-1]		Compression Hydrocephalus	Mild
* Clitoral Gland		Inflammation	Chronic, Mild
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Granuloma	Moderate
* Lung [Congestion TGLS = 6-2]		Congestion	Mild
* Mammary Gland [Adenoma TGLS = 2-21] [Hyperplasia TGLS = 1-8]		Adenoma Hyperplasia	Cystic, Mild
* Nose		Foreign Body	Mild
		Fungus	
	Mucosa	Hyperplasia	Moderate
	Mucosa	Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 447

TRT#: 8

SEX: Female

DAY ON TEST: 631

DOSE: 1.00%

DISP: Natural Death

HISTO: 88-46992

ORGAN AND ACCOUNTABLE SITE STATUS

Note: FUNGI APPEAR TO BE INVADING NASAL SEPTUM

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 4-1]

* Spleen

Pigmentation

Moderate

Vagina

Exudate

[Exudate TGLS = 3-7,3-7-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 448

TRT#: 8

SEX: Female

DAY ON TEST: 457

DOSE: 1.00%

DISP: Scheduled Sacrifice

HISTO: 88-45638

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|--|---------------|-----------------------------------|-----------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| * Kidney | | Mineralization | Moderate |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Minimal |
| [Hepatodiaphragmatic Nodule TGLS = 1-21] | | | |
| * Mammary Gland | | Hyperplasia | Cystic, Minimal |
| * Pituitary Gland | Pars Distalis | Cyst | |
| | Pars Distalis | Hyperplasia | Moderate |
| * Spleen | | Pigmentation | Mild |
| * Thyroid Gland | Follicle | Cyst | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 449

TRT#: 8

SEX: Female

DAY ON TEST: 591

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-46468

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Moderate
	Sternum	Osteopetrosis	Moderate
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
	[Cataract TGLS = 1-21]		
* Kidney		Mineralization	Moderate
		Nephropathy	Moderate
	[Nephropathy TGLS = 6-5]		
* Liver		Basophilic Focus	
		Inflammation	Subacute, Minimal
	Lobules	Necrosis	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
	[Hyperplasia TGLS = 2-8]		
* Skin		Acanthosis	Mild
	[Acanthosis TGLS = 3-22]		
* Spleen		Pigmentation	Mild
Zymbal's Gland		Carcinoma	
	[Carcinoma TGLS = 9-25]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 450

TRT#: 8

SEX: Female

DAY ON TEST: 555

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-46381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Compression Hemorrhage Hydrocephalus	Moderate Mild
Note: HEMOSIDERIN-LIKE PIGMENT ASSOC. W/ HEMORRHAGE; NOT CODED [Compression TGLS = 10-1-1]			
* Kidney		Mineralization Nephropathy	Moderate Moderate
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular Inflammation	Histiocyte, Mild Subacute, Minimal
[Infiltration Cellular TGLS = 4-2-1,5-2,6-2-1,7-2-1,8-2-1]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia Hyperplasia	Cystic, Mild Lobular, Moderate
[Hyperplasia TGLS = 1-21,1-8] [Hyperplasia TGLS = 1-21,1-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-22]			
* Nose		Exudate Fungus Hyperplasia	Mild
	Mucosa		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 450	TRT#: 8 DOSE: 1.00%	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 555 HISTO: 88-46381
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Carcinoma TGLS = 9-1-1]	Mucosa Pars Distalis	Metaplasia Carcinoma	Squamous, Mild
* Stomach, Forestomach [Hyperplasia TGLS = 13-4,13-4-1] [Ulcer TGLS = 13-4-1]	Mucosa	Hyperplasia Ulcer	Moderate Mild
* Stomach, Glandular		Inflammation Mineralization	Chronic, Mild Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 451

TRT#: 8

SEX: Female

DAY ON TEST: 666

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-48290

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone	Calvarium	Osteopetrosis	Moderate
	Femur	Osteopetrosis	Moderate
	Sternum	Osteopetrosis	Moderate
	[Osteopetrosis TGLS = 2-21]		
	[Osteopetrosis TGLS = 2-21]		
	[Osteopetrosis TGLS = 2-21]		
* Clitoral Gland		Hyperplasia	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Islets, Pancreatic		Adenoma	
* Kidney		Inflammation	Suppurative, Minimal
		Mineralization	Moderate
		Nephropathy	Marked
	[Nephropathy TGLS = 1-5]		
* Liver	Hepatocyte	Basophilic Focus	
		Vacuolization Cytoplasmic	Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	Note: MULTIPLE ADENOMAS PRESENT IN PARS DISTALIS		
	[Adenoma TGLS = 3-1]		
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Moderate
* Spleen		Pigmentation	Mild
* Stomach, Forestomach	Mucosa	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 451	TRT#: 8	SEX: Female	DAY ON TEST: 666
	DOSE: 1.00%	DISP: Moribund Sacrifice	HISTO: 88-48290

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 4-4]		Ulcer	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 452

TRT#: 8

SEX: Female

DAY ON TEST: 703

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-48291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Bone		Fibrous Osteodystrophy	Minimal
* Brain		Compression	
[Compression TGLS = 7-1]			
* Kidney	Transit Epithe	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
		Mineralization	Moderate
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Granuloma	Minimal
	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Focal, Mild
		Thrombosis	
[Angiectasis TGLS = 5-22]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Minimal
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
* Parathyroid Gland		Hyperplasia	Minimal
Note: HYPERPLASIA IS FOCAL			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 452	TRT#: 8	SEX: Female	DAY ON TEST: 703
	DOSE: 1.00%	DISP: Moribund Sacrifice	HISTO: 88-48291

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach [Hyperplasia TGLS = 9-4-1]	Mucosa	Hyperplasia	Minimal
* Stomach, Glandular [Ulcer TGLS = 10-24]		Ulcer	Moderate
* Thyroid Gland [Adenoma TGLS = 8-3]	C Cell	Adenoma Degeneration	Cystic, Minimal
Vagina Note: HYPERPLASIA INVOLVES THE MUSCULARIS [Hyperplasia TGLS = 3-23]		Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 453

TRT#: 8

SEX: Female

DAY ON TEST: 643

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-47052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Trachea

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Hyperplasia	Mild
* Kidney		Leukemia Mononuclear	
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Renal Tubule Centrilobular	Pigmentation	Mild
		Atrophy	Mild
		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6,3-21]		
* Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-7]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-7]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-7]		
* Mammary Gland		Hyperplasia	Cystic, Mild
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 453

TRT#: 8

SEX: Female

DAY ON TEST: 643

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-47052

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear Hematopoietic Cell Proliferation Leukemia Mononuclear	Mild
[Leukemia Mononuclear TGLS = 1-6]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 454

TRT#: 8

SEX: Female

DAY ON TEST: 624

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-46913

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Inflammation	Suppurative, Minimal
		Mineralization	Moderate
		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 5-22]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-21]			
* Nose		Exudate	
Note: EXUDATE IS IN NASOLACRIMAL DUCT			
* Ovary		Cyst	
[Cyst TGLS = 3-7]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 455

TRT#: 8

SEX: Female

DAY ON TEST: 551

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-46382

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Moderate
	Lobules	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]	Necrosis	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
	Note: STROMAL PROLIFERATION AND ALV. EPITHEL. HYPERPLASIA		
	Note: ASSOC. W/ LEUKEMIA; NOT CODED		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Stomach, Glandular		Erosion	Marked
	[Erosion TGLS = 6-4]		
* Urinary Bladder		Leukemia Mononuclear	
	Note: HEMORRH. ASSOC W/ LEUKEMIA NOT CODED		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 455

TRT#: 8

SEX: Female

DAY ON TEST: 551

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-46382

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-11]

* Uterus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 456

TRT#: 8

SEX: Female

DAY ON TEST: 685

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-48292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland
* Skin	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

Vagina

OBSERVATIONS

* Adrenal Cortex		Hyperplasia Hyperplasia Vacuolization Cytoplasmic	Diffuse, Moderate Focal, Minimal Focal, Minimal
* Bone [Osteopetrosis TGLS = 11-23]	Calvarium	Osteopetrosis	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage Necrosis	Mild Mild
* Kidney [Nephropathy TGLS = 5-5]	Transit Epithe	Hyperplasia Mineralization Nephropathy	Minimal Moderate Moderate
* Liver [Angiectasis TGLS = 6-22]	Kupffer Cell Kupffer Cell	Angiectasis Hyperplasia Pigmentation	Mild Moderate Mild
* Mammary Gland [Fibroadenoma TGLS = 2-21] [Hyperplasia TGLS = 1-8]		Fibroadenoma Hyperplasia	Cystic, Mild
* Nose		Exudate	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 456	TRT#: 8	SEX: Female	DAY ON TEST: 685
	DOSE: 1.00%	DISP: Moribund Sacrifice	HISTO: 88-48292

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
		Pigmentation	Minimal
* Salivary Glands		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
	[Hematopoietic Cell Proliferation TGLS = 3-6]		
	[Leukemia Mononuclear TGLS = 3-6]		
* Stomach, Forestomach		Ulcer	Moderate
	[Ulcer TGLS = 8-4,8-4-1]		
* Stomach, Glandular		Erosion	Minimal
	[Erosion TGLS = 9-4-1]		
* Uterus		Pigmentation	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 457

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1.00%

DISP: Terminal Sacrifice

HISTO: 88-48484

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Moderate
		Nephropathy	Moderate
	[Nephropathy TGLS = 2-5]		
* Liver		Basophilic Focus	
		Granuloma	Minimal
	Note: BASOPHILIC FOCI ALSO ON SLIDE 6		
	[Basophilic Focus TGLS = 5-22]		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Cystic, Minimal
	[Hyperplasia TGLS = 1-8]		
* Nose		Exudate	
		Fungus	
	Mucosa	Metaplasia	Squamous, Minimal
* Ovary		Cyst	
* Pancreas		Ectopic Liver	
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
	[Adenoma TGLS = 4-1]		
* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 458

TRT#: 8

SEX: Female

DAY ON TEST: 457

DOSE: 1.00%

DISP: Scheduled Sacrifice

HISTO: 88-45639

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- | | | | |
|---------------------------|---------------|---------------------------|-------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Focal, Minimal |
| * Bone Marrow | | Myelofibrosis | Mild |
| * Kidney | | Mineralization | Moderate |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Granuloma | Minimal |
| | | Inflammation | Subacute, Minimal |
| * Lymph Node, Mandibular | | Hemorrhage | Mild |
| [Hemorrhage TGLS = 3-8] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 1-1] | | | |
| * Skin | | Acanthosis | Moderate |
| | | Ulcer | Mild |
| [Ulcer TGLS = 2-21,2-8] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 459

TRT#: 8

SEX: Female

DAY ON TEST: 666

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-48293

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
[Compression TGLS = 12-1]			
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Mineralization	Moderate
		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Mild
[Nephropathy TGLS = 5-5]			
* Liver	Centrilobular	Atrophy	Minimal
		Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
	Lobules	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-2,10-2-1]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-5,6-22,2-8,13-24,9-3,8-23]			
[Leukemia Mononuclear TGLS = 6-5,6-22,2-8,13-24,9-3,8-23]			
[Leukemia Mononuclear TGLS = 6-5,6-22,2-8,13-24,9-3,8-23]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 459	TRT#: 8	SEX: Female	DAY ON TEST: 666
	DOSE: 1.00%	DISP: Moribund Sacrifice	HISTO: 88-48293

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 6-5,6-22,2-8,13-24,9-3,8-23]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 6-5,6-22,2-8,13-24,9-3,8-23]		Leukemia Mononuclear	
* Mammary Gland [Hyperplasia TGLS = 1-8]		Hyperplasia	Cystic, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland [Adenoma TGLS = 11-1]	Pars Distalis Pars Intermed Pars Intermed	Adenoma Angiectasis Cyst	Moderate
* Spleen [Fibrosis TGLS = 3-21] [Leukemia Mononuclear TGLS = 4-6]		Fibrosis Leukemia Mononuclear	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 460

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1.00%

DISP: Terminal Sacrifice

HISTO: 88-48485

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Mineralization	Moderate
		Nephropathy	Mild
	[Nephropathy TGLS = 3-5]		
* Liver		Granuloma	Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Lymphoid, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 4-21]		
* Mammary Gland		Hyperplasia	Cystic, Mild
	[Hyperplasia TGLS = 1-8]		
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal
	Note: ADENOMA APPEARS TO BE IN AN EARLY STAGE		
	[Angiectasis TGLS = 5-1]		
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
		Ultimobranchial Cyst	
* Uterus		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 460

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1.00%

DISP: Terminal Sacrifice

HISTO: 88-48485

ORGAN AND ACCOUNTABLE SITE STATUS

[Pigmentation TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 461

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1.00%

DISP: Terminal Sacrifice

HISTO: 88-48486

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Basophilic Focus	
* Clitoral Gland		Carcinoma	
		Hyperplasia	Moderate
Note: CARCINOMA & HYPERPLASIA ARE IN OPPOSITE GLANDS			
		[Carcinoma TGLS = 2-8]	
		[Hyperplasia TGLS = 2-8]	
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
		Mineralization	Moderate
		Nephropathy	Moderate
		[Nephropathy TGLS = 3-5]	
* Liver		Basophilic Focus	
		Granuloma	Minimal
		Hepatodiaphragmatic Nodule	
Note: GRANULOMAS & BASOPHILIC FOCI ARE ON SLIDE 22			
		[Hepatodiaphragmatic Nodule TGLS = 4-21]	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Cystic, Minimal
		Hyperplasia	Lobular, Minimal
		[Hyperplasia TGLS = 1-8]	
		[Hyperplasia TGLS = 1-8]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 461	TRT#: 8	SEX: Female	DAY ON TEST: 730
	DOSE: 1.00%	DISP: Terminal Sacrifice	HISTO: 88-48486

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA IS ENCROACHING ON THE PARS INTERMEDIA [Adenoma TGLS = 6-1]			
* Spleen		Pigmentation	Mild
* Thymus		Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
		Ultimobranchial Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 462

TRT#: 8

SEX: Female

DAY ON TEST: 708

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-48294

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Vacuolization Cytoplasmic	Focal, Minimal
* Bone		Fibrous Osteodystrophy	Minimal
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-8]			
* Intestine Large, Rectum		Ulcer	Mild
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
		Mineralization	Moderate
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			
* Nose		Exudate	
Note: EXUDATE IS IN NASOLACRIMAL DUCT			
* Ovary		Cyst	
* Pituitary Gland	Pars Distalis	Adenoma	
Note: DILATATION OF RATHKE'S CLEFT; NOT CODED			
[Adenoma TGLS = 4-1]			
* Spleen		Fibrosis	Minimal
		Pigmentation	Moderate
* Stomach, Forestomach		Edema	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 462	TRT#: 8	SEX: Female	DAY ON TEST: 708
	DOSE: 1.00%	DISP: Moribund Sacrifice	HISTO: 88-48294

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLS = 5-4-1]	Ulcer	Mild
* Stomach, Glandular Note: GLANDULAR STOMACH EROSION PRESENT ALSO ON SLIDE 4 [Erosion TGLS = 6-21,7-21]	Erosion	Mild
* Thyroid Gland	Follicle	Cyst
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 463

TRT#: 8

SEX: Female

DAY ON TEST: 605

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-46914

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Parathyroid Gland	* Salivary Glands
* Skin	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone [Osteopetrosis TGLS = 8-21]	Calvarium	Osteopetrosis	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney [Nephropathy TGLS = 4-5,4-5-1]	Transit Epithe	Hyperplasia	Mild
		Mineralization	Moderate
		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Lung [Alveolar/Bronchiolar Adenoma TGLS = 6-2-1]		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Ectasia	Mild
		Hyperplasia	Lymphoid, Mild
* Mammary Gland [Hyperplasia TGLS = 1-8] [Hyperplasia TGLS = 1-8]		Hyperplasia	Lobular, Mild
		Hyperplasia	Cystic, Minimal
* Nose		Exudate	
		Foreign Body	Moderate
	Mucosa	Hyperplasia	Moderate
* Ovary [Cyst TGLS = 2-7,3-7]		Cyst	
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 463

TRT#: 8
DOSE: 1.00%

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 605
HISTO: 88-46914

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Acinar Cell Pars Distalis	Cytoplasmic Alteration Cyst	Moderate
* Spleen		Pigmentation	Mild
* Stomach, Forestomach	Mucosa	Hyperplasia	Moderate
* Stomach, Glandular	Epithelium	Dilatation Erosion	Minimal Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 464

TRT#: 8

SEX: Female

DAY ON TEST: 457

DOSE: 1.00%

DISP: Scheduled Sacrifice

HISTO: 88-45640

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla
- * Clitoral Gland
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Parathyroid Gland
- * Thymus

- * Bone
- * Esophagus
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Nose
- * Salivary Glands
- * Thyroid Gland

- * Bone Marrow
- * Heart
- * Intestine Small, Duodenum
- * Lung
- * Ovary
- * Skin
- * Trachea

- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mandibular
- * Pancreas
- * Stomach, Forestomach
- * Urinary Bladder

OBSERVATIONS

- * Adrenal Cortex
- * Kidney
- * Liver
- * Mammary Gland
- * Pituitary Gland
- * Spleen
- * Stomach, Glandular
- * Uterus

- Pars Distalis
- Epithelium

- Angiectasis
- Mineralization
- Nephropathy
- Inflammation
- Hyperplasia
- Hyperplasia
- Pigmentation
- Dilatation
- Hydrometra

- Mild
- Moderate
- Minimal
- Subacute, Minimal
- Cystic, Mild
- Mild
- Mild
- Mild
- Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 465

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1.00%

DISP: Terminal Sacrifice

HISTO: 88-48487

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 3-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-21]			
* Ovary		Cyst	
* Pancreas		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
		Pigmentation	Mild
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 466

TRT#: 8

SEX: Female

DAY ON TEST: 636

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-47027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Compression Hydrocephalus	Mild
[Compression TGLS = 8-1]			
Eye	Retina	Atrophy	Moderate
* Kidney	Renal Tubule	Cytoplasmic Alteration Mineralization Nephropathy	Moderate Moderate Moderate
[Nephropathy TGLS = 6-5]			
* Liver	Bile Duct	Basophilic Focus Hyperplasia Leukemia Mononuclear Infiltration Cellular	Minimal Histiocyte, Minimal
* Lung			
[Infiltration Cellular TGLS = 9-2-1]			
* Mammary Gland		Carcinoma Hyperplasia Hyperplasia	Lobular, Mild Cystic, Minimal
[Carcinoma TGLS = 2-22]			
[Hyperplasia TGLS = 3-8]			
[Hyperplasia TGLS = 3-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-23]			
* Pancreas		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 466

TRT#: 8

SEX: Female

DAY ON TEST: 636

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-47027

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland
[Adenoma TGLS = 7-1]

Pars Distalis

Adenoma

* Spleen

Leukemia Mononuclear

Pigmentation

Mild

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 467

TRT#: 8

SEX: Female

DAY ON TEST: 610

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-46915

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hypercellularity	Mild
* Brain		Compression	
[Compression TGLS = 7-1]			
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-21]			
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
[Pigmentation TGLS = 4-5]			
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Mild
* Mammary Gland		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 2-8]			
* Nose		Exudate	
* Ovary		Cyst	
[Cyst TGLS = 3-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 5-6]			
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 468

TRT#: 8

SEX: Female

DAY ON TEST: 624

DOSE: 1.00%

DISP: Natural Death

HISTO: 88-46916

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Congestion	Moderate
		Leukemia Mononuclear	
[Congestion TGLS = 5-10]			
[Leukemia Mononuclear TGLS = 5-10]			
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
		Hemorrhage	Moderate
[Hemorrhage TGLS = 1-21]			
* Heart	Myocardium	Mineralization	Mild
		Thrombosis	
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	Lobules	Necrosis	Mild
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-22]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-22]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 468	TRT#: 8	SEX: Female	DAY ON TEST: 624
	DOSE: 1.00%	DISP: Natural Death	HISTO: 88-46916

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-22]			
* Mammary Gland		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 2-8]			
* Nose		Exudate	
		Foreign Body	Mild
	Mucosa	Hyperplasia	Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	
[Angiectasis TGLS = 8-1]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 10-4-1]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 469

TRT#: 8

SEX: Female

DAY ON TEST: 597

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-46917

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Bone | * Brain | * Clitoral Gland |
| * Esophagus | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|--|---------------|-----------------------------------|-----------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| * Bone Marrow | | Myelofibrosis | Minimal |
| * Heart | | Cardiomyopathy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Moderate |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| * Mammary Gland | | Hyperplasia | Cystic, Minimal |
| Mesentery | | Accessory Spleen | |
| Note: ACCESSORY SPLN ON SLIDE 7 ADJACENT TO PANCREAS | | | |
| * Pituitary Gland | Pars Distalis | Angiectasis | Moderate |
| [Angiectasis TGLS = 3-1] | | | |
| * Skin | Subcut Tiss | Lipoma | |
| [Lipoma TGLS = 1-21] | | | |
| * Spleen | | Pigmentation | Moderate |
| Tongue | | Hyperplasia | Moderate |
| [Hyperplasia TGLS = 2-22] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 470

TRT#: 8

SEX: Female

DAY ON TEST: 597

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-46918

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Bone		Fibrous Osteodystrophy	Minimal
	Calvarium	Osteopetrosis	Mild
	Femur	Osteopetrosis	Moderate
	Sternum	Osteopetrosis	Moderate
[Osteopetrosis TGLS = 6-23]			
[Osteopetrosis TGLS = 6-23]			
[Osteopetrosis TGLS = 6-23]			
* Clitoral Gland		Adenoma	
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
		Mineralization	Mild
		Nephropathy	Moderate
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Clear Cell Focus TGLS = 4-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-8]			
Pharynx		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 5-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 470	TRT#: 8 DOSE: 1.00%	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 597 HISTO: 88-46918
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis Pars Distalis	Adenoma Cyst	
Note: ADENOMA IS ENCROACHING ON PARS NERVOSA			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Mild
* Thyroid Gland	Follicle	Cyst	
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 471

TRT#: 8

SEX: Female

DAY ON TEST: 625

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-46919

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---|---------------|----------------------------------|---------------------|
| * Heart | | Cardiomyopathy | Minimal |
| * Intestine Large, Rectum | | Parasite Metazoan | |
| * Kidney | | Mineralization | Mild |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| Note: EOSINOPHILIC FOCUS ON SLIDES 6 & 22
[Eosinophilic Focus TGLS = 3-22] | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| * Mammary Gland | | Hyperplasia | Cystic, Mild |
| * Nose | | Exudate | |
| | | Fungus | |
| | Mucosa | Hyperplasia | Mild |
| | Mucosa | Metaplasia | Squamous, Mild |
| * Ovary | | Cyst | |
| [Cyst TGLS = 1-7-1] | | | |
| * Pancreas | | Cyst | |
| * Pituitary Gland | Pars Distalis | Cyst | |
| | Pars Distalis | Hyperplasia | Minimal |
| * Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Pigmentation | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 472

TRT#: 8

SEX: Female

DAY ON TEST: 457

DOSE: 1.00%

DISP: Scheduled Sacrifice

HISTO: 88-45641

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Malignant	
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
* Lymph Node, Mandibular		Ectasia	Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: THE TUMOR HAS INVADED THE CAPSULE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 473

TRT#: 8

SEX: Female

DAY ON TEST: 617

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-46920

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- | | | | |
|--|----------------|----------------------------|----------|
| * Adrenal Medulla | | Leukemia Mononuclear | |
| | | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| | | Myelofibrosis | Marked |
| * Kidney | Renal Tubule | Cytoplasmic Alteration | Moderate |
| | | Leukemia Mononuclear | |
| | | Mineralization | Moderate |
| | | Nephropathy | Moderate |
| | Interstit Tiss | Pigmentation | Moderate |
| [Nephropathy TGLS = 4-5] | | | |
| * Liver | Centrilobular | Atrophy | Moderate |
| | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| | Kupffer Cell | Pigmentation | Moderate |
| | Hepatocyte | Vacuolization Cytoplasmic | Moderate |
| [Hepatodiaphragmatic Nodule TGLS = 7-22] | | | |
| [Leukemia Mononuclear TGLS = 6-6] | | | |
| [Vacuolization Cytoplasmic TGLS = 5-6] | | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 473

TRT#: 8

SEX: Female

DAY ON TEST: 617

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-46920

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric

Leukemia Mononuclear

* Mammary Gland

Fibroadenoma

[Fibroadenoma TGLS = 2-21]

Hyperplasia

[Hyperplasia TGLS = 1-8]

Cystic, Mild

* Pituitary Gland

Pars Distalis

Cyst

Leukemia Mononuclear

Pigmentation

Mild

* Spleen

Fibrosis

Moderate

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-6]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

Animal Note: FOCAL AREA OF NECROSIS, VAGINAL WALL; NOT CODED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 474

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1.00%

DISP: Terminal Sacrifice

HISTO: 88-48488

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Thymus	* Trachea	* Urinary Bladder	* Uterus
Vagina			

OBSERVATIONS

* Adrenal Cortex [Adenoma TGLS = 3-21]		Adenoma	
* Adrenal Medulla Note: MEDULLARY HYPERPLASIA ON SLIDE 21		Hyperplasia	Minimal
* Brain [Developmental Malformation TGLS = 9-1]		Developmental Malformation	
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
	Transit Epithe	Hyperplasia	Mild
		Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Kupffer Cell	Hyperplasia	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Note: CLEAR CELL FOCUS IS ON SLIDE 23			
[Hepatodiaphragmatic Nodule TGLS = 6-22,7-23]			
[Hyperplasia TGLS = 5-6]			
[Vacuolization Cytoplasmic TGLS = 5-6]			
* Mammary Gland		Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 474	TRT#: 8	SEX: Female	DAY ON TEST: 730
	DOSE: 1.00%	DISP: Terminal Sacrifice	HISTO: 88-48488

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 10-1,11-1]			
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach	Mucosa	Hyperplasia	Moderate
		Ulcer	Marked
[Ulcer TGLS = 12-4,12-4-1]			
* Stomach, Glandular		Erosion	Moderate
[Erosion TGLS = 13-24]			
* Thyroid Gland	C Cell Follicle	Adenoma Cyst	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 475

TRT#: 8

SEX: Female

DAY ON TEST: 693

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-48295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

INSUFFICIENT TISSUE

* Adrenal Medulla

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
		Hyperplasia	Diffuse, Moderate
		Vacuolization Cytoplasmic	Diffuse, Marked
[Angiectasis TGLS = 4-10]			
[Hyperplasia TGLS = 4-10]			
* Brain		Compression	
		Hydrocephalus	Mild
[Compression TGLS = 9-1]			
* Clitoral Gland		Carcinoma	
Note: CARCINOMA APPEARS TO BE IN AN EARLY STAGE			
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Moderate
		Nephropathy	Moderate
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Centrilobular	Necrosis	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Hepatodiaphragmatic Nodule TGLS = 7-22]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hemorrhage	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 475	TRT#: 8	SEX: Female	DAY ON TEST: 693
	DOSE: 1.00%	DISP: Moribund Sacrifice	HISTO: 88-48295

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLS = 6-5]			
* Mammary Gland		Hyperplasia Hyperplasia	Lobular, Moderate Cystic, Moderate
[Hyperplasia TGLS = 1-8,3-21]			
[Hyperplasia TGLS = 1-8,3-21]			
* Ovary		Cyst	
[Cyst TGLS = 2-7]			
* Pancreas		Cyst	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Mild
* Thyroid Gland	C Cell Follicle	Adenoma Cyst	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 476

TRT#: 8

SEX: Female

DAY ON TEST: 685

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-48296

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone	Calvarium	Osteopetrosis	Moderate
	Femur	Osteopetrosis	Marked
	Sternum	Osteopetrosis	Marked
	[Osteopetrosis TGLS = 4-21]		
	[Osteopetrosis TGLS = 4-21]		
	[Osteopetrosis TGLS = 4-21]		
* Brain		Compression	
	[Compression TGLS = 6-1]		
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
		Mineralization	Moderate
		Nephropathy	Marked
	[Nephropathy TGLS = 2-5]		
* Liver		Basophilic Focus	
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
	[Hyperplasia TGLS = 1-8]		
* Nose		Exudate	
		Foreign Body	Mild
		Fungus	
	Mucosa	Metaplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 476	TRT#: 8	SEX: Female	DAY ON TEST: 685
	DOSE: 1.00%	DISP: Moribund Sacrifice	HISTO: 88-48296

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach		Fibrosis	Mild
		Ulcer	Minimal
* Thymus		Ectopic Parathyroid Gland	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 477

TRT#: 8

SEX: Female

DAY ON TEST: 457

DOSE: 1.00%

DISP: Scheduled Sacrifice

HISTO: 88-45642

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Granuloma	Moderate
	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Ovary		Cyst	
[Cyst TGLS = 2-7-1]			
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hydrometra	Mild
[Hydrometra TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 478

TRT#: 8

SEX: Female

DAY ON TEST: 590

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-46469

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Brain		Compression	
[Compression TGLS = 6-1]			
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
		Mineralization	Moderate
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 4-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-8]			
* Ovary		Cyst	
[Cyst TGLS = 2-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 479

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-48489

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Bone Marrow		Congestion	Moderate
		Myelofibrosis	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
		Mineralization	Moderate
		Nephropathy	Marked
	[Nephropathy TGLS = 5-5]		
* Liver		Basophilic Focus	
	Bile Duct	Cyst	
	Kupffer Cell	Pigmentation	Mild
* Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Minimal
	[Alveolar/Bronchiolar Adenoma TGLS = 6-2-1]		
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Minimal
	[Fibroadenoma TGLS = 2-21,3-22]		
	[Hyperplasia TGLS = 1-8]		
* Nose		Exudate	
		Foreign Body	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 10/18/2014
Time Report Requested: 18:41:27
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 479	TRT#: 8	SEX: Female	DAY ON TEST: 727
	DOSE: 1.00%	DISP: Moribund Sacrifice	HISTO: 88-48489

ORGAN AND ACCOUNTABLE SITE STATUS

	Mucosa	Fungus	
	Mucosa	Metaplasia	Squamous, Minimal
* Ovary		Necrosis	Mild
[Cyst TGLS = 4-7]		Cyst	
* Pancreas	Acinar Cell	Cytoplasmic Alteration	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal
* Salivary Glands		Atrophy	Mild
* Spleen	Lymph Follic	Atrophy	Moderate
	Red Pulp	Atrophy	Moderate
		Pigmentation	Moderate
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 9-4-1]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 480

TRT#: 8

SEX: Female

DAY ON TEST: 703

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-48297

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Minimal
* Kidney		Inflammation	Suppurative, Minimal
		Mineralization	Moderate
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Minimal
Note: ADENOMA IS SMALL BUT SHOWS CELLULAR ANAPLASIA			
* Salivary Glands	Acinar Cell	Cytoplasmic Alteration	Moderate
* Stomach, Forestomach	Mucosa	Hyperplasia	Moderate
		Ulcer	Moderate
[Hyperplasia TGLS = 6-4,6-4-1]			
[Ulcer TGLS = 6-4]			
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 4-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05142-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 10/18/2014

Time Report Requested: 18:41:27

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 480

TRT#: 8

SEX: Female

DAY ON TEST: 703

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 88-48297

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE