

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

NTP Study Number: C20313
Lock Date: 01/14/2010
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: NONE

Experiment Number: 20313 - 05
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 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 614

DOSE: 0.70 ACRYL

DISP: Natural Death

HISTO: 021500700011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lung
* Nose	* Pancreas	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
Bone			
Note: TGL 9 - NST (Bone cranium, nodule; not found at trim)			
* Brain, Brain Stem	Hypothalamus	Compression	Minimal
[Compression TGLs = 10-1]			
* Epididymis		Exfoliated Germ Cell	Moderate
		Hypospermia	Mild
* Eye			
Note: TGL 8 - NCL			
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum		Inflammation	Moderate
		Ulcer	Moderate
Note: TGL 13 - NCL			
[Inflammation TGLs = 14-11B]			
[Ulcer TGLs = 14-11B]			
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Degeneration	Cystic, Moderate
[Degeneration TGLs = 12-11]			
* Mammary Gland		Galactocele	

* PROTOCOL REQUIRED TISSUE

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Lab: NCTR

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 614

DOSE: 0.70 ACRYL

DISP: Natural Death

HISTO: 021500700011

ORGAN AND ACCOUNTABLE SITE STATUS

[Galactocoele TGLs = 1,2,3-2A+2B+2C]			
* Parathyroid Gland		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 11-9A]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Moderate
* Spleen	Red Pulp	Atrophy	Mild
		Pigmentation	Mild
[Atrophy TGLs = 6-9]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
[Adenoma TGLs = 5-7B]			
[Atrophy TGLs = 4-7]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLs = 7-6]			

PRIMARY CAUSE OF DEATH - Thyroid Gland Follicular Cel Carcinoma

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 Lab: NCTR

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Epididymis		Exfoliated Germ Cell	Moderate
		Hypospermia	Moderate
		Mesothelioma Malignant	
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
		Inflammation	Mild
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Lactation	Mild
Oral Mucosa		Hyperplasia	Mild
Note: Located on slide 14			
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Moderate
[Ectasia TGLs = 1-7]			
[Inflammation TGLs = 1-7]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

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Lab: NCTR

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700012

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Red Pulp	Atrophy	Moderate
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
Note: TGL 3 also located on slide 7 with routine Testes [Adenoma TGLs = 3-7B+7] [Atrophy TGLs = 2-7]			
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

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Date Report Requested: 07/28/2016
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 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|-------------------------------------|---------------------------|----------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Brain, Brain Stem | Hypothalamus | Compression | Mild |
| | [Compression TGLs = 6-1A] | | |
| * Epididymis | | Exfoliated Germ Cell | Mild |
| * Heart | | Cardiomyopathy | Mild |
| | [Schwannoma Malignant TGLs = 9-2] | Schwannoma Malignant | |
| * Islets, Pancreatic | | Adenoma | |
| | [Adenoma TGLs = 12-10B] | | |
| * Kidney | | Nephropathy | Moderate |
| * Liver | Bile Duct | Eosinophilic Focus | |
| | | Hyperplasia | Mild |
| | [Leukemia Mononuclear TGLs = 4-3] | Leukemia Mononuclear | |
| * Lung | Alveolar Epith | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | [Hyperplasia TGLs = 10-4A] | | |
| * Lymph Node, Mandibular | | Degeneration | Cystic, Mild |
| | | Hyperplasia | Lymphoid, Mild |
- Note: TGL 8 was written up as bilateral but one side was Degeneration and the other side was Hyperplasia
 [Degeneration TGLs = 8-10A]

* PROTOCOL REQUIRED TISSUE

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Acrylamide
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Lab: NCTR

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700021

ORGAN AND ACCOUNTABLE SITE STATUS

	[Hyperplasia TGLs = 8-10]		
* Mammary GI			
	Note: TGL 11 - Noted grossly as Mammary gland was Skin		
* Pancreas	Acinar Cell	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5-9]		
* Preputial Gland	Duct	Ectasia	Mild
	[Ectasia TGLs = 1-7]		
* Skin		Cyst Epithelial Inclusion Squamous Cell Papilloma	
	[Cyst Epithelial Inclusion TGLs = 11-2B]		
	[Squamous Cell Papilloma TGLs = 7-2A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Infarct Leukemia Mononuclear	
	[Infarct TGLs = 3-9]		
	[Leukemia Mononuclear TGLs = 2-9]		
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

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 Lab: NCTR

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 691

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mesenteric | * Nose | * Pancreas | * Peripheral Nerve, Sciatic |
| * Pituitary Gland | * Prostate | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|--------------------------|--|-----------------------|---------------------|
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Epididymis | | Exfoliated Germ Cell | Moderate |
| | | Hypospermia | Marked |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| | Atrium | Leukemia Mononuclear | |
| | [Thrombosis TGLs = 11-2A] | Thrombosis | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 12-3] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Renal | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 8-17] | | |
| | [Leukemia Mononuclear TGLs = 10-17A] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 1-10+10A] | | |
| * Mammary Gland | | Lactation | Moderate |

* PROTOCOL REQUIRED TISSUE

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 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 691

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700022

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid GI

Note: No RC per pathologist

* Preputial Gland

Inflammation

Marked

[Inflammation TGLs = 2-7]

* Seminal Vesicle

Atrophy

Mild

[Atrophy TGLs = 5-7A]

* Spinal Cord, Cervical

Axon

Degeneration

Minimal

* Spinal Cord, Lumbar

Nerve

Degeneration

Minimal

* Spinal Cord, Thoracic

Axon

Degeneration

Minimal

* Spleen

Accessory Spleen

Leukemia Mononuclear

[Accessory Spleen TGLs = 7-9A]

[Leukemia Mononuclear TGLs = 6-9]

* Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Moderate

[Adenoma TGLs = 3-7B]

[Atrophy TGLs = 4-7]

* Thymus

Atrophy

Mild

* Thyroid Gland

Follicular Cel

Carcinoma

[Carcinoma TGLs = 9-6]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

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 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Focal, Mild
* Epididymis		Hypospermia	Marked
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
		Schwannoma Malignant	
	[Schwannoma Malignant TGLs = 8-2]		
* Kidney		Nephropathy	Marked
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Inflammation	Mild
	[Inflammation TGLs = 7-4A]		
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland		Angiectasis	Mild
	[Angiectasis TGLs = 6-9]		
* Preputial Gland		Inflammation	Marked
	[Inflammation TGLs = 1-7]		
* Seminal Vesicle		Atrophy	Mild
	[Atrophy TGLs = 4-7A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

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Lab: NCTR

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700031

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Note: TGL 5 - NCL

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLs = 2,3-7B+7]

* Thymus

Atrophy

Moderate

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 Lab: NCTR

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 529

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Spinal Cord, Cervical | * Spinal Cord, Thoracic | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|--|----------------------------|-----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Epididymis | | Exfoliated Germ Cell | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Hepatodiaphragmatic Nodule | |
| | [Hepatodiaphragmatic Nodule TGLs = 3-3A] | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Moderate |
| | [Infiltration Cellular TGLs = 2-10A] | | |
| * Pancreas | Acinar Cell | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Preputial Gland | | Inflammation | Minimal |
| * Prostate | | Inflammation | Mild |
| * Skin | | Abscess | Marked |
| | [Abscess TGLs = 1-2A] | | |
| * Spinal Cord, Lumbar | Nerve | Degeneration | Minimal |
| * Testes | Interstit Cell | Hyperplasia | Mild |
| * Thymus | | Atrophy | Mild |

PRIMARY CAUSE OF DEATH - Skin Abscess

* PROTOCOL REQUIRED TISSUE

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 Lab: NCTR

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Bone Marrow		Atrophy	Marked
* Epididymis		Exfoliated Germ Cell	Moderate
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Leukemia Mononuclear	
	Atrium	Schwannoma Malignant	
	[Schwannoma Malignant TGLs = 5-2A]	Thrombosis	
	[Thrombosis TGLs = 4-2]		
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
	[Leukemia Mononuclear TGLs = 3-3]	Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8-4]		
Lymph Node	Mediastinal, Medulla, Sinus	Dilatation	Marked
	Mediastinal	Leukemia Mononuclear	
	[Dilatation TGLs = 6-17]		
	[Leukemia Mononuclear TGLs = 6-17]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Lactation	Minimal

* PROTOCOL REQUIRED TISSUE

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Lab: NCTR

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700041

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Leukemia Mononuclear	
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLs = 9-9A]		
	[Leukemia Mononuclear TGLs = 9-9A]		
* Preputial Gland		Carcinoma	
	[Carcinoma TGLs = 1-7]		
* Prostate		Inflammation	Marked
	[Inflammation TGLs = 7-7B]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-9]		
* Testes	Seminif Tub	Atrophy	Mild
* Thymus		Atrophy	Mild
* Thyroid GI			

Note: TGL 10 - NCL

PRIMARY CAUSE OF DEATH - Preputial Gland Carcinoma
 CONTRIBUTORY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 554

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Stomach, Glandular	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
		Vacuolization Cytoplasmic	Minimal
* Epididymis		Exfoliated Germ Cell	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum		Carcinoma	
[Carcinoma TGLs = 7,8-11A]			
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
		Necrosis	Coagulative, Minimal
Note: TGL 5 - NCL			
[Degeneration TGLs = 11-3A]			
* Lung		Carcinoma	Metastatic (Intestine Small, Jejunum)
Lymph Node			
Note: TGL 10 - Noted grossly as Lymph node, pancreatic was Mesentery			
Mesentery		Carcinoma	Metastatic (Intestine Small, Jejunum)
	Fat	Necrosis	Moderate
[Carcinoma TGLs = 10-10]			
[Necrosis TGLs = 6-17]			
* Pituitary Gl			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 554

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700042

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 9 - NCL

* Preputial Gland

Inflammation

Mild

* Prostate

Note: TGL 3 - NCL

* Spleen

Red Pulp

Atrophy

Moderate

[Atrophy TGLs = 4-9A]

* Stomach, Forestomach

Edema

Moderate

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLs = 1-7B]

* Thymus

Atrophy

Mild

* Urinary Bladder

Hemorrhage

Mild

[Hemorrhage TGLs = 2-8A]

PRIMARY CAUSE OF DEATH - Intestine Small, Jejunum Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 51

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Epididymis		Hypospermia	Marked
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Hyperplasia TGLs = 10,11-3A+3B]		
	[Leukemia Mononuclear TGLs = 12-3+3A+3B]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 9-4]		
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Mild
	Note: WT requested for TGL 8 located on slide 17		
	[Hyperplasia TGLs = 8-17]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
	[Hyperplasia TGLs = 13-11A]		
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
	[Fibroadenoma TGLs = 2-2A]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 51

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700051

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa		Hyperplasia	Mild
Note: Located on slide 14			
* Pancreas		Leukemia Mononuclear	
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 14-9]			
* Preputial Gland		Inflammation	Moderate
[Inflammation TGLs = 1-7B]			
* Prostate		Inflammation	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Infarct	
[Infarct TGLs = 6-9B]			
[Leukemia Mononuclear TGLs = 5,7-9A+9B]			
* Stomach, Forestomach		Hyperplasia	Mild
[Hyperplasia TGLs = 15,16-12A+12B]			
* Stom Gland			
Note: TGL 15 - Noted grossly as Stomach, glandular was Stomach, forestomach			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
[Adenoma TGLs = 4-7]			
[Atrophy TGLs = 3-7]			
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 52

TRT#: 1

SEX: Male

DAY ON TEST: 694

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|--|----------------------------|----------------|
| * Adrenal Cortex | | Hypertrophy | Focal, Minimal |
| * Bone Marrow | | Atrophy | Moderate |
| * Epididymis | | Exfoliated Germ Cell | Mild |
| | | Hypospermia | Mild |
| | | Mesothelioma Malignant | |
| * Eye | | | |
| Note: TGL 1 - NCL | | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | Right Lat Lobe | Developmental Malformation | |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | [Developmental Malformation TGLs = 5-3A] | | |
| | [Leukemia Mononuclear TGLs = 6-3] | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 2-10+10A] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 8-11] | | |
| * Mammary Gland | Alveolus | Hyperplasia | Minimal |
| | | Lactation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 52

TRT#: 1

SEX: Male

DAY ON TEST: 694

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700052

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 7-9A]		
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 4-7]	Mesothelioma Malignant	
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 111

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Thoracic	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Epididymis		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
		Schwannoma Malignant	
* Kidney		Nephropathy	Moderate
* Mammary Gland		Fibroadenoma	
		Lactation	Minimal
	[Fibroadenoma TGLs = 2-2A]		
* Pancreas	Acinar Cell	Atrophy	Mild
* Seminal Vesicle		Atrophy	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1-7+7B]		
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 112

TRT#: 4

SEX: Male

DAY ON TEST: 621

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Pheochromocytoma Malignant	
	[Pheochromocytoma Malignant TGLs = 3-9]		
* Epididymis		Exfoliated Germ Cell	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
	Note: TGL 5 - NCL		
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Note: TGL 4 - NCL		
	[Infiltration Cellular TGLs = 7-4+4A]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Pancreas		Polyarteritis	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Adenoma	
		Inflammation	Marked
	[Inflammation TGLs = 1-7]		
* Prostate		Inflammation	Mild
* Sem Ves			
	Note: TGL 2 - NCL		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 112

TRT#: 4

SEX: Male

DAY ON TEST: 621

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700112

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	
* Thymus		Atrophy	Mild
* Thyroid GI			
Note: TGL 6 - NCL			
* Urinary Bladder		Calculus Gross Observation	
[Calculus Gross Observation TGLs = 8-8]			

PRIMARY CAUSE OF DEATH - Adrenal Medulla Pheochromocytoma Malignant

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 121

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|----------------------------|--------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Prostate | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|------------------------------|----------------|----------------------------|------------------|
| * Adrenal Medulla | | Pheochromocytoma Malignant | |
| [Pheochromocytoma Malignant | TGLs = 9-9] | | |
| * Epididymis | | Hypospermia | Marked |
| * Heart | Atrium | Thrombosis | |
| [Thrombosis | TGLs = 7-2] | | |
| * Intestine Small, Ileum | Lymphoid Tiss | Hyperplasia | Moderate |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Leukemia Mononuclear | |
| [Leukemia Mononuclear | TGLs = 8-3] | | |
| * Lung | Alveolar Epith | Hyperplasia | Mild |
| | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| * Lymph Node, Mandibular | | Degeneration | Cystic, Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Preputial Gland | | Inflammation | Mild |
| [Inflammation | TGLs = 1-7] | | |
| * Seminal Vesicle | | Atrophy | Mild |
| [Atrophy | TGLs = 4-7A] | | |
| * Spinal Cord, Cervical | Axon | Degeneration | Minimal |
| * Spleen | | Infarct | |
| | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 121

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700121

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	[Infarct TGLs = 6-9] [Leukemia Mononuclear TGLs = 5-9] Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
* Thymus	[Adenoma TGLs = 2-7B] [Atrophy TGLs = 3-7]	Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 122

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebrum	* 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	* Peripheral Nerve, Sciatic
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Angiectasis	Mild
* Brain, Cerebellum		Osteosarcoma	Metastatic (Skin)
* Epididymis		Exfoliated Germ Cell	Mild
		Hypospermia	Marked
* Eye	Cornea	Inflammation	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Granuloma	Minimal
	Bile Duct	Hyperplasia	Mild
* Mammary Gland		Galactocele	
* Pancreas	Acinar Cell	Atrophy	Moderate
		Polyarteritis	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5-9]		
* Preputial Gland		Inflammation	Mild
	[Inflammation TGLs = 1-7]		
* Prostate		Inflammation	Moderate
* Skin	Subcut Tiss	Osteosarcoma	
	[Osteosarcoma TGLs = 2-17]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 122

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700122

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 3,4-7C+7B]		
* Thymus		Atrophy	Mild
Zymbals GI			

Note: TGL 2 - Noted grossly as Zymbals gland was Skin, subcutaneous tissue

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 131

TRT#: 4

SEX: Male

DAY ON TEST: 630

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Prostate	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Spleen
* Stomach, Glandular	Tissue NOS	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Epididymis		Exfoliated Germ Cell	Mild
		Hypospermia	Marked
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart	Atrium	Cardiomyopathy	Mild
		Thrombosis	
Note: TGL 9 - NCL			
Note: WT requested for TGL 8 located on slide 2A			
[Thrombosis TGLs = 8-2A]			
* Kidney		Nephropathy	Moderate
* Liver			
Note: TGL 6 - NCL			
* Lung		Inflammation	Mild
Lymph Node	Renal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLs = 7-17A]			
* Preputial Gland		Inflammation	Moderate
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
[Decreased Secretory Fluid TGLs = 5-7A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 131

TRT#: 4

SEX: Male

DAY ON TEST: 630

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700131

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	[Squamous Cell Papilloma TGLs = 10-12A] Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
	[Adenoma TGLs = 3-7] [Atrophy TGLs = 2-7]		
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Carcinoma	
	[Carcinoma TGLs = 1-6A]		
Tissue NOS			
Note: TGL 4 - NCL			
* Trachea	Epithelium	Hyperplasia Inflammation	Mild Chronic, Mild
Ureter			
Note: TGL 4 - Noted grossly as Ureter was Tissue NOS			

PRIMARY CAUSE OF DEATH - Thyroid Gland Follicular Cel Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 132

TRT#: 4

SEX: Male

DAY ON TEST: 630

DOSE: 0.0875 ACRYL

DISP: Natural Death

HISTO: 021500700132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Brain, Brain Stem	Hypothalamus	Compression	Moderate
	[Compression TGLs = 5-1]		
* Heart		Cardiomyopathy	Moderate
* Int Sm Ileum			
	Note: TGL 7 - NCL		
	Note: The gross observation documented as TGL 7 was normal Submucosal lymphoid tissue.		
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Moderate
	Note: TGL 4 - NCL		
* Lym Node Mand			
	Note: TGL 2 - NCL		
* Mammary Gland		Lactation	Mild
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 6-9]		
* Preputial Gland	Duct	Ectasia	Moderate
	[Ectasia TGLs = 1-7]		
* Prostate		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 132

TRT#: 4

SEX: Male

DAY ON TEST: 630

DOSE: 0.0875 ACRYL

DISP: Natural Death

HISTO: 021500700132

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Mild

* Urinary Bladder

Dilatation

Moderate

[Dilatation TGLs = 3-8A]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 141

TRT#: 4

SEX: Male

DAY ON TEST: 525

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Epididymis | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---|----------------|---------------------------|-----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Brain, Brain Stem | Hypothalamus | Compression | Moderate |
| [Compression TGLs = 3-1A] | | | |
| * Brain, Cerebrum | Ventricle | Dilatation | Mild |
| | | Hydrocephalus | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Granuloma | Mild |
| | Bile Duct | Hyperplasia | Mild |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Moderate |
| * Mammary Gland | | Galactocele | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLs = 4-9] | | | |
| * Preputial Gland | | Inflammation | Moderate |
| [Inflammation TGLs = 1-7C] | | | |
| * Prostate | | Inflammation | Moderate |
| * Seminal Vesicle | | Decreased Secretory Fluid | Moderate |
| [Decreased Secretory Fluid TGLs = 2-7A] | | | |
| * Testes | Interstit Cell | Hyperplasia | Minimal |
| * Thymus | | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 141

TRT#: 4

SEX: Male

DAY ON TEST: 525

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700141

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 142

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

Ear

Note: TGL 7 - Noted grossly as Ear was Skin

* Epididymis		Hypospermia	Marked
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
		Schwannoma Malignant	
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Neural Crest Tumor, Malignant	Metastatic (Skin)
	[Infiltration Cellular TGLs = 6-4B]		
	[Neural Crest Tumor, Malignant TGLs = 5-4A]		
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Pancreas	Acinar Cell	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 8,9-9A]		
* Preputial Gland		Inflammation	Moderate
	[Inflammation TGLs = 1-7]		
* Prostate		Inflammation	Moderate
* Skin	Subcut Tiss	Fibroma	
	Ear	Neural Crest Tumor, Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 142

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700142

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLs = 10-2A]			
[Neural Crest Tumor, Malignant TGLs = 7-17]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
[Adenoma TGLs = 2,4-7+7B]			
[Atrophy TGLs = 3-7]			
* Thymus		Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 151

TRT#: 4

SEX: Male

DAY ON TEST: 602

DOSE: 0.0875 ACRYL

DISP: Natural Death

HISTO: 021500700151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain, Brain Stem		Hemorrhage	Marked
Note: Hemorrhage is probably secondary to Pituitary tumor but not much Pituitary tissue is present.			
* Eye		Cataract	
	Retina	Degeneration	Marked
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Lym Node Mand			
Note: No RC/WT per pathologist			
* Mammary Gland		Galactocele	
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
Note: Located on slide 1 (beneath Brain stem)			
* Preputial Gland		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 151

TRT#: 4

SEX: Male

DAY ON TEST: 602

DOSE: 0.0875 ACRYL

DISP: Natural Death

HISTO: 021500700151

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLs = 1-7]

* Prostate

Inflammation

Moderate

* Sem Ves

Note: TGL 2 - NCL

* Thymus

Atrophy

Mild

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 152

TRT#: 4

SEX: Male

DAY ON TEST: 732

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|-----------------------------|-----------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Spinal Cord, Cervical | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---------------------------------------|----------------|----------------------|------------------|
| * Adrenal Cortex | | Hypertrophy | Focal, Mild |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Brain, Brain Stem | Hypothalamus | Compression | Moderate |
| [Compression TGLs = 14-1A] | | | |
| * Epididymis | | Exfoliated Germ Cell | Marked |
| | | Hypospermia | Marked |
| * Heart | Atrium | Cardiomyopathy | Mild |
| [Thrombosis TGLs = 13-2] | | Thrombosis | |
| * Kidney | | Nephropathy | Marked |
| [Nephropathy TGLs = 8-8] | | | |
| * Liver | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 7-3] | | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Mediastinal | Degeneration | Cystic, Moderate |
| | Mediastinal | Leukemia Mononuclear | |
| [Degeneration TGLs = 12-17] | | | |
| [Leukemia Mononuclear TGLs = 12-17] | | | |
| * Lymph Node, Mesenteric | Medulla, Sinus | Dilatation | Mild |
| * Mammary Gland | | Galactocele | |
| | Alveolus | Hyperplasia | Mild |
| | | Lactation | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 152

TRT#: 4

SEX: Male

DAY ON TEST: 732

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700152

ORGAN AND ACCOUNTABLE SITE STATUS

[Galactocoele TGLs = 3-2A]			
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 15-9B]			
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Moderate
[Ectasia TGLs = 1-7]			
[Inflammation TGLs = 2-7]			
* Prostate		Inflammation	Marked
[Inflammation TGLs = 10-7B]			
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[Decreased Secretory Fluid TGLs = 9-7A]			
* Skin		Inflammation	Marked
		Ulcer	Marked
[Inflammation TGLs = 16-2B]			
[Ulcer TGLs = 16-2B]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Infarct	
		Leukemia Mononuclear	
Note: TGL 5 is also located on slide 9A with TGL 6			
[Infarct TGLs = 6-9A]			
[Leukemia Mononuclear TGLs = 5-9+9A]			
* Testes	Seminif Tub	Atrophy	Moderate
[Atrophy TGLs = 4-7]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLs = 11-6]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 261

TRT#: 5

SEX: Male

DAY ON TEST: 386

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500700261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|--------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Epididymis | * Esophagus | * Harderian Gland | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Testes | * Trachea |

AUTO PRECLUDES DIAG.

- | | | | |
|----------------------------|--------------------------|-----------------------------|--------------------------|
| * Eye | * Intestine Large, Cecum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Pancreas |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|---|---------------|---------------------------|---------------------|
| * Heart | | Cardiomyopathy | Moderate |
| * Liver | Centrilobular | Necrosis | Moderate |
| | | Vacuolization Cytoplasmic | Mild |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| Note: Pigmented alveolar macrophage along with Liver lesion indicates congestive Heart failure. | | | |
| * Spleen | | Pigmentation | Moderate |
| * Thymus | | Atrophy | Mild |

PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Liver Centrilobular Necrosis

Animal Note: Lesions in Heart, Liver, Lung indicate congestive Heart failure as cause of death

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 262

TRT#: 5

SEX: Male

DAY ON TEST: 689

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500700262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Epididymis		Hypospermia	Marked
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-3]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	
* Preputial Gland		Inflammation	Mild
	[Inflammation TGLs = 1-7B]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2,3-7]		
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 262

TRT#: 5

SEX: Male

DAY ON TEST: 689

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500700262

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 271

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | | | |

MISSING

- | | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- | | | | |
|--------------------------|--|----------------------------|----------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Brain, Brain Stem | Hypothalamus | Compression | Minimal |
| | [Compression TGLs = 9-1] | | |
| * Epididymis | | Exfoliated Germ Cell | Minimal |
| * Eye | Retina | Cataract | |
| | [Cataract TGLs = 8-13] | Degeneration | Moderate |
| | [Degeneration TGLs = 8-13] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | Left Lat Lobe | Developmental Malformation | |
| | [Developmental Malformation TGLs = 6-3A] | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 5-3] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 7-17] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 1-10+10A] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 271

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700271

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary GI

Note: No RC per pathologist

Mesentery

Note: TGL 7 - Noted grossly as Mesentery was Lymph node, pancreatic

* Parathyroid GI

Note: No RC per pathologist; block thin

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLs = 10-9A]

* Preputial Gland

Inflammation

Mild

* Prostate

Inflammation

Mild

* Sem Ves

Note: TGL 2 - NCL

* Spinal Cord, Lumbar

Axon

Degeneration

Minimal

* Spleen

Infarct

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 4-9]

* Testes

Interstit Cell

Hyperplasia

Mild

* Thymus

Atrophy

Mild

* Urinary Bladder

Dilatation

Moderate

[Dilatation TGLs = 3-8]

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 272

TRT#: 5

SEX: Male

DAY ON TEST: 717

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500700272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Epididymis		Exfoliated Germ Cell	Mild
* Heart		Cardiomyopathy	Moderate
	Atrium	Thrombosis	
	[Thrombosis TGLs = 4-2]		
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLs = 2-8]		
* Liver		Necrosis	Moderate
	Centrilobular	Vacuolization Cytoplasmic	Moderate
	[Necrosis TGLs = 3-3]		
	[Vacuolization Cytoplasmic TGLs = 3-3]		
* Lung		Carcinoma	Metastatic (Preputial Gland)
	Note: TGL 5 - NCL		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Lactation	Mild
* Pituitary Gland		Adenoma	
	Pars Distalis		
	[Adenoma TGLs = 6-9]		
* Preputial Gland		Carcinoma	
	[Carcinoma TGLs = 1-7B]		
* Prostate		Inflammation	Moderate
* Spinal Cord, Lumbar		Degeneration	Mild
	Nerve		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 272

TRT#: 5

SEX: Male

DAY ON TEST: 717

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500700272

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Thoracic

Axon

Degeneration

Minimal

* Thymus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 281

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Epididymis		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-4]	Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-2A]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5-9]		
* Preputial Gland		Inflammation	Moderate
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 3,4-7B+7]		
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 282

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---|--|----------------------|----------------|
| * Epididymis | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Granuloma | Minimal |
| | Bile Duct | Hyperplasia | Minimal |
| | | Hyperplasia | Lymphoid, Mild |
| * Lymph Node, Mesenteric
[Hyperplasia TGLs = 4-11] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Preputial Gland | | Inflammation | Mild |
| * Spleen | | Leukemia Mononuclear | |
| * Testes | Bilateral, Interstit Cell
Seminif Tub | Adenoma | |
| | | Atrophy | Moderate |
| | [Adenoma TGLs = 1,3-7B+7] | | |
| | [Atrophy TGLs = 2-7] | | |
| * Thymus | | Atrophy | Mild |
| | | Cyst | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 291

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Prostate	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex Note: TGL 6 - NCL		Hyperplasia	Focal, Mild
* Adren Medulla Note: TGL 6 - NCL			
* Epididymis		Hypospermia	Marked
* Eye [Phthisis Bulbi TGLs = 8-13]		Phthisis Bulbi	
* Int Lg Cecum Note: TGL 5 - NCL			
* Kidney		Nephropathy	Marked
* Liver Note: TGL 9 - NCL	Bile Duct	Granuloma Hyperplasia	Minimal Minimal
* Lymph Node, Mandibular [Hemorrhage TGLs = 1-10+10A] [Hyperplasia TGLs = 1-10+10A]		Hemorrhage Hyperplasia	Mild Lymphoid, Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Pancreas	Acinar Cell	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 291

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700291

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Glandular	Hyperplasia	Moderate
		Inflammation	Moderate
	[Hyperplasia TGLs = 2-7]		
	[Inflammation TGLs = 2-7]		
* Seminal Vesicle		Atrophy	Mild
	[Atrophy TGLs = 7-7A]		
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	[Adenoma TGLs = 3-7B]		
	[Atrophy TGLs = 4-7]		
* Thymus		Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 292

TRT#: 5

SEX: Male

DAY ON TEST: 645

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500700292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|-------------------------------------|----------------------|----------|
| * Epididymis | | Exfoliated Germ Cell | Mild |
| | | Hypospermia | Moderate |
| * Heart | | Cardiomyopathy | Mild |
| | Atrium | Leukemia Mononuclear | |
| | | Thrombosis | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 3-3] | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Mammary Gland | | Lactation | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 4-9] | | |
| * Preputial Gland | | Inflammation | Moderate |
| * Prostate | | Inflammation | Mild |
| * Spinal Cord, Cervical | Axon | Degeneration | Minimal |
| * Spinal Cord, Thoracic | Nerve | Degeneration | Minimal |
| * Spleen | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 1-9] | | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 292

TRT#: 5

SEX: Male

DAY ON TEST: 645

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500700292

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 2,5-7+7B]

* Thymus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 361

TRT#: 2

SEX: Male

DAY ON TEST: 684

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Stomach, Glandular | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--------------------------|--|-----------------------|-----------------------|
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | | Exfoliated Germ Cell | Moderate |
| | | Hypospermia | Mild |
| * Heart | | Cardiomyopathy | Mild |
| | Atrium | Leukemia Mononuclear | |
| | [Thrombosis TGLs = 11-2B] | Thrombosis | |
| * Kidney | | Nephropathy | Mild |
| | Note: TGL 10 - NCL | | |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 7,8,9-3+3A] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Renal | Degeneration | Cystic, Marked |
| | Pancreatic | Leukemia Mononuclear | |
| | Lumbar | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |
| | [Degeneration TGLs = 13-17B] | | |
| | [Leukemia Mononuclear TGLs = 4-17] | | |
| | [Leukemia Mononuclear TGLs = 12-17A] | | |
| | [Leukemia Mononuclear TGLs = 13-17B] | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 361

TRT#: 2

SEX: Male

DAY ON TEST: 684

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700361

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland	Alveolus	Hyperplasia	Moderate
		Lactation	Mild
	[Hyperplasia TGLs = 1-2A]		
	[Lactation TGLs = 1-2A]		
* Nose		Leukemia Mononuclear	
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Infarct	
		Leukemia Mononuclear	
	[Infarct TGLs = 6-9A]		
	[Leukemia Mononuclear TGLs = 5-9]		
* Stomach, Forestomach		Inflammation	Moderate
		Ulcer	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	[Adenoma TGLs = 2-7]		
	[Atrophy TGLs = 3-7]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Cyst	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 362

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Thoracic | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--------------------------|---------------------------------------|-------------------------|-----------------------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Epididymis | | Mesothelioma Malignant | |
| * Eye | Sclera | Metaplasia | Osseous, Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | Bile Duct | Hyperplasia | Minimal |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Moderate |
| | [Infiltration Cellular TGLs = 2-10] | | |
| * Mammary Gland | | | |
| | Note: RC attempted | | |
| * Nose | | Inflammation | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Intermed | Cyst | |
| | [Adenoma TGLs = 4-9A] | | |
| * Preputial Gland | Duct | Ectasia | Moderate |
| | | Inflammation | Moderate |
| | [Ectasia TGLs = 1-7] | | |
| | [Inflammation TGLs = 1-7] | | |
| * Spinal Cord, Cervical | Axon | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 362

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700362

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLs = 3-7B]			
* Thymus		Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 371

TRT#: 2

SEX: Male

DAY ON TEST: 684

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|-----------------------------|---------------------------|-----------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Prostate |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|--|----------------------------|---------------------|
| * Adrenal Cortex | | Hypertrophy | Focal, Mild |
| * Adrenal Medulla | | Pheochromocytoma Malignant | |
| Bone | Vertebra | Fracture | |
| | [Fracture TGLs = 14-17A] | | |
| * Epididymis | | Hypospermia | Marked |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Moderate |
| | | Dilatation | Marked |
| | [Dilatation TGLs = 9-2] | Leukemia Mononuclear | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 11-3] | | |
| * Lung | | Granuloma | Mild |
| | | Leukemia Mononuclear | |
| | [Granuloma TGLs = 13-4A] | | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 10-17] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 1-10+10A] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 371

TRT#: 2

SEX: Male

DAY ON TEST: 684

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700371

ORGAN AND ACCOUNTABLE SITE STATUS

	[Leukemia Mononuclear TGLs = 12-11]		
* Mammary Gland	Alveolus	Hyperplasia	Moderate
		Lactation	Moderate
* Pancreas		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Mild
* Seminal Vesicle		Atrophy	Mild
	[Atrophy TGLs = 7-7A]		
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Accessory Spleen	
		Leukemia Mononuclear	
	[Accessory Spleen TGLs = 5-9A]		
	[Leukemia Mononuclear TGLs = 4,5,6-9+9A]		
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	[Adenoma TGLs = 3-7B]		
	[Atrophy TGLs = 2-7]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8-10]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 372

TRT#: 2

SEX: Male

DAY ON TEST: 554

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain, Brain Stem	Hypothalamus	Compression	Moderate
[Compression TGLs = 1-1]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Lactation	Moderate
* Pancreas	Acinar Cell	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 2-9A]			
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Moderate
* Spleen		Pigmentation	Mild
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 381

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Brain, Brain Stem	Hypothalamus	Compression	Mild
	[Compression TGLs = 7-1]		
* Epididymis		Exfoliated Germ Cell	Mild
* Heart		Schwannoma Malignant	
	[Schwannoma Malignant TGLs = 6-2B]		
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLs = 4-8]		
* Liver	Right Lat Lobe	Developmental Malformation	
		Eosinophilic Focus	
		Granuloma	Minimal
	Bile Duct	Hyperplasia	Minimal
	[Developmental Malformation TGLs = 5-3A]		
* Mammary Gland		Lactation	Mild
	Note: TGL 1 - Noted grossly as Mammary gland was Skin		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 8,9-9]		
* Preputial Gland		Carcinoma	
	[Carcinoma TGLs = 2-7]		
* Prostate		Inflammation	Mild
* Skin	Subcut Tiss	Fibroma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 381

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700381

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLs = 1-2A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Infarct	
* Testes	Seminif Tub	Atrophy	Mild
[Atrophy TGLs = 3-7B]			
* Thymus		Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 382

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700382

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Mammary Gland | * Nose | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|---|------------------------|----------------------------|-----------------------|
| * Adrenal Cortex | | Hypertrophy | Focal, Mild |
| * Brain, Brain Stem | Hypothalamus | Compression | Moderate |
| [Compression TGLs = 8-1A] | | | |
| * Epididymis | | Exfoliated Germ Cell | Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Marked |
| * Liver | Left Lat Lobe | Developmental Malformation | |
| [Developmental Malformation TGLs = 9-3] | | | |
| Lymph Node | Lumbar, Medulla, Sinus | Dilatation | Mild |
| [Dilatation TGLs = 6-17] | | | |
| * Lymph Node, Mandibular | | Degeneration | Cystic, Moderate |
| | | Infiltration Cellular | Plasma Cell, Moderate |
| [Degeneration TGLs = 1-10A] | | | |
| [Infiltration Cellular TGLs = 1-10] | | | |
| * Lymph Node, Mesenteric | | Degeneration | Cystic, Mild |
| * Pancreas | Acinar Cell | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLs = 7-9] | | | |
| * Preputial Gland | | Carcinoma | |
| [Carcinoma TGLs = 2-7B] | | | |
| * Skin | | Squamous Cell Carcinoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 382

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700382

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Carcinoma	TGLs = 10-2A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma	TGLs = 3,4-7]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma	TGLs = 5-6]		

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 391

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Pituitary Gland | * Prostate | * Salivary Glands |
| * Skeletal Muscle | * Spinal Cord, Cervical | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|-------------------|--|----------------------------|----------|
| * Epididymis | | Exfoliated Germ Cell | Mild |
| | | Hypospermia | Marked |
| * Eye | Retina | Degeneration | Moderate |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Hepatodiaphragmatic Nodule | |
| | | Leukemia Mononuclear | |
| | [Eosinophilic Focus TGLs = 6,7-3B+3] | | |
| | [Hepatocellular Adenoma TGLs = 8-3C] | | |
| | [Hepatodiaphragmatic Nodule TGLs = 9-3D] | | |
| | [Leukemia Mononuclear TGLs = 5-3A] | | |
| * Mammary Gland | Alveolus | Hyperplasia | Minimal |
| Oral Mucosa | | Squamous Cell Papilloma | |
| | [Squamous Cell Papilloma TGLs = 11-17] | | |
| * Preputial Gland | | Squamous Cell Carcinoma | |
| | [Squamous Cell Carcinoma TGLs = 1-7B] | | |
| * Seminal Vesicle | | Decreased Secretory Fluid | Marked |
| * Skin | | Keratoacanthoma | |
| | [Keratoacanthoma TGLs = 10-2A] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 391

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700391

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2,3-7+7C]		
* Thymus		Atrophy	Mild

Animal Note: TGL 11 - Noted grossly as Cavity, oral was Oral mucosa

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 392

TRT#: 2

SEX: Male

DAY ON TEST: 698

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain, Brain Stem [Compression TGLs = 8-1A]	Hypothalamus	Compression	Mild
* Epididymis		Exfoliated Germ Cell Hypospermia	Moderate Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum [Dilatation TGLs = 11-12A]		Dilatation	
* Int Sm Duoden Note: TGL 12 - NCL			
* Kidney [Nephropathy TGLs = 5-8]		Nephropathy	Marked
* Liver [Vacuolization Cytoplasmic TGLs = 7-3]	Bile Duct	Hyperplasia Vacuolization Cytoplasmic	Minimal Mild
Lymph Node Note: TGL 4 - Noted grossly as Lymph node, pancreatic was Mesentery			
* Lymph Node, Mandibular		Degeneration Hyperplasia	Cystic, Moderate Lymphoid, Moderate
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Mammary Gland [Galactocele TGLs = 6-2A]		Galactocele	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 392

TRT#: 2

SEX: Male

DAY ON TEST: 698

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700392

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Accessory Spleen TGLs = 4-17]		Accessory Spleen	
* Nose		Inflammation	Moderate
Oral Mucosa [Hyperplasia TGLs = 15-17A]		Hyperplasia	Mild
* Pituitary Gland [Adenoma TGLs = 9-9A]	Pars Distalis	Adenoma	
* Preputial Gland [Ectasia TGLs = 1-7B] [Inflammation TGLs = 1-7B]	Duct	Ectasia Inflammation	Moderate Moderate
* Prostate		Inflammation	Moderate
* Skin [Basal Cell Carcinoma TGLs = 16-2C] [Cyst Epithelial Inclusion TGLs = 10-2B]		Basal Cell Carcinoma Cyst Epithelial Inclusion	
* Spinal Cord, Thoracic	Axon Nerve	Degeneration Degeneration	Minimal Minimal
* Stom Forestom Note: TGL 13 - NCL Note: TGL 13 documented grossly as dilatation could not be confirmed microscopically			
* Stom Gland Note: TGL 14 - NCL Note: TGL 14 documented grossly as dilatation could not be confirmed microscopically			
* Testes [Adenoma TGLs = 2,3-7+7C]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Nose Inflammation
 CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: TGL 15 - Noted grossly as Cavity, oral was Oral mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 401

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700401

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | Lymph Node |
| * Lymph Node, Mesenteric | * Mammary Gland | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|----------------------------------|----------------------|----------------|
| * Epididymis | | Exfoliated Germ Cell | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| | Atrium | Thrombosis | |
| | [Thrombosis TGLs = 5-2] | | |
| * Kidney | | Nephropathy | Moderate |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| Lymph Node | | | |
| Note: TGL 7 - NCL | | | |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Mild |
| | | Inflammation | Mild |
| | [Hyperplasia TGLs = 2-10+10A] | | |
| | [Inflammation TGLs = 2-10+10A] | | |
| * Nose | | Inflammation | Moderate |
| * Pancreas | Acinar Cell | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 6-9A] | | |
| * Preputial Gland | | Inflammation | Mild |
| | [Inflammation TGLs = 1-7] | | |
| * Prostate | | Inflammation | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 401

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700401

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 4-9]		
* Testes	Interstit Cell	Adenoma	
[Adenoma	TGLs = 3-7B]		
* Thymus		Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 402

TRT#: 2

SEX: Male

DAY ON TEST: 624

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700402

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Epididymis		Exfoliated Germ Cell	Moderate
		Hypospermia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Hydronephrosis	Mild
		Nephropathy	Mild
	[Hydronephrosis TGLs = 4-8]		
* Liver			
	Note: TGL 6 - NCL		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland		Angiectasis	Mild
		Pigmentation	Mild
	[Angiectasis TGLs = 5-9]		
	[Pigmentation TGLs = 5-9]		
* Preputial Gland		Carcinoma	
	[Carcinoma TGLs = 1-7B]		
* Prostate		Inflammation	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2,3-7+7C]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 402

TRT#: 2

SEX: Male

DAY ON TEST: 624

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700402

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 411

TRT#: 3

SEX: Male

DAY ON TEST: 673

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700411

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Thoracic | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-----------------------------|---------------|-----------------------|---------------------|
| * Bone Marrow | | Atrophy | Moderate |
| * Epididymis | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| Note: TGL 11 - NCL | | | |
| * Int Lg Colon | | | |
| Note: TGL 13 - NCL | | | |
| * Int Sm Duoden | | | |
| Note: TGL 9 - NCL | | | |
| * Int Sm Jejunum | | | |
| Note: TGL 12 - NCL | | | |
| * Kidney | | Nephropathy | Marked |
| [Nephropathy TGLs = 8-8] | | | |
| * Liver | | | |
| Note: TGL 10 - NCL | | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| * Pancreas | Acinar Cell | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Marked |
| * Preputial Gland | | Inflammation | Marked |
| [Inflammation TGLs = 1-7] | | | |
| * Prostate | | Inflammation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 411

TRT#: 3

SEX: Male

DAY ON TEST: 673

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700411

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle [Atrophy TGLs = 5-7A]		Atrophy	Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen Note: TGL 6 - NCL [Developmental Malformation TGLs = 7-9A]		Developmental Malformation	
* Stomach, Forestomach		Edema	Moderate
* Testes [Adenoma TGLs = 2,3,4-7+7B]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 412

TRT#: 3

SEX: Male

DAY ON TEST: 555

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700412

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * 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, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--|---------------------------|----------------------------------|---------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Minimal |
| * Epididymis | | Hypospermia | Moderate |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | Bile Duct | Hyperplasia | Mild |
| * Mammary GI | | | |
| Note: RC attempted | | | |
| * Pancreas | Acinar Cell | Atrophy | Minimal |
| * Preputial Gland | | Inflammation | Moderate |
| Note: Located on slide 7C | | | |
| Note: TGL 1 - Noted grossly as Preputial gland was Skin, subcutaneous tissue | | | |
| * Prostate | | Inflammation | Mild |
| * Skin | Subcut Tiss | Sarcoma | |
| [Sarcoma TGLs = 1-7B] | | | |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| [Hematopoietic Cell Proliferation TGLs = 3-9] | | | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 412

TRT#: 3

SEX: Male

DAY ON TEST: 555

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700412

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 2-7]

* Thymus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Sarcoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 421

TRT#: 3

SEX: Male

DAY ON TEST: 705

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700421

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Blood Vessel | * Bone, Femur | * Brain, Cerebrum | * Esophagus |
| * Eye | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Stomach, Forestomach | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|---------------------|---------------------------------------|----------------------|----------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Brain Stem | Hypothalamus | Compression | Mild |
| | | Leukemia Mononuclear | |
| | [Compression TGLs = 13-1] | | |
| * Brain, Cerebellum | | Leukemia Mononuclear | |
| * Epididymis | | Exfoliated Germ Cell | Mild |
| * Harderian Gland | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Kidney | | Nephropathy | Moderate |
| | [Nephropathy TGLs = 3-8] | | |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 4-3] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Iliac | Leukemia Mononuclear | |
| | Lumbar | Leukemia Mononuclear | |
| | Axillary | Leukemia Mononuclear | |
| | Deep Cervical | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 6-17] | | |
| | [Leukemia Mononuclear TGLs = 7-17A] | | |
| | [Leukemia Mononuclear TGLs = 8-17B] | | |
| | [Leukemia Mononuclear TGLs = 9-17C] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 421

TRT#: 3

SEX: Male

DAY ON TEST: 705

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700421

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	
[Galactocele	TGLs = 10,11-2A+2B]		
* Nose		Inflammation	Minimal
* Pancreas		Leukemia Mononuclear	
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 12-9]		
* Preputial Gland		Inflammation	Marked
* Prostate		Inflammation	Marked
* Seminal Vesicle		Leukemia Mononuclear	
* Spinal Cord, Cervical		Leukemia Mononuclear	
* Spinal Cord, Lumbar		Leukemia Mononuclear	
* Spinal Cord, Thoracic		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 2-9]		
* Stomach, Glandular		Leukemia Mononuclear	
* Testes	Seminif Tub	Atrophy	Mild
[Atrophy	TGLs = 5-7]		
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 422

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700422

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|---------------------------------------|---------------------------|----------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Epididymis | | Exfoliated Germ Cell | Mild |
| * Heart | Atrium | Leukemia Mononuclear | |
| | [Thrombosis TGLs = 9-2A] | Thrombosis | |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Degeneration | Cystic, Mild |
| | Bile Duct | Hepatocellular Adenoma | |
| | | Hyperplasia | Moderate |
| | [Leukemia Mononuclear TGLs = 7-3] | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 10-4A] | | |
| Lymph Node | Renal | Degeneration | Cystic, Marked |
| | Pancreatic | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |
| | [Degeneration TGLs = 8-17A] | | |
| | [Leukemia Mononuclear TGLs = 6-17] | | |
| | [Leukemia Mononuclear TGLs = 8-17A] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 422

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700422

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 1-10+10A]			
* Mammary Gland		Lactation	Mild
Note: Located on slide 2B			
* Sem Ves			
Note: TGL 5 - NCL			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4-9]			
* Stomach, Forestomach		Edema	Marked
		Ulcer	Mild
[Edema TGLs = 12-12B]			
[Ulcer TGLs = 12-12B]			
* Stom Gland			
Note: TGL 11 - NCL			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 2,3-7+7B]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	Follicle	Cyst	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 431

TRT#: 3

SEX: Male

DAY ON TEST: 562

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700431

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Preputial Gland		Inflammation	Moderate
* Prostate		Inflammation	Mild
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLs = 1-2A]			
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen			
Note: TGL 2 - NCL			
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Sarcoma

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 432

TRT#: 3

SEX: Male

DAY ON TEST: 369

DOSE: 0.175 ACRYL

DISP: Natural Death

HISTO: 021500700432

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Islets, Pancreatic	* Lung	Lymph Node
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skeletal Muscle	* Skin	* Testes
* Trachea			

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Seminal Vesicle	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland			

OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Vacuolization Cytoplasmic	Mild
Note: TGL 6 - NCL		
Note: TGL 9 - NCL		
Note: TGL 10 - NCL		
Note: Gross findings in Liver recorded as TGL 6, 9, and 10 were due to autolysis.		
* Lung		
Note: TGL 7 - NCL		
Lymph Node		
Note: Gross appearance of mediastinal Lymph node recorded as TGL 8 was due to post mortem blood pooling.		
Note: TGL 8 - NCL (Lymph node, mediastinal)		
* Lymph Node, Mandibular	Infiltration Cellular	Plasma Cell, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 432

TRT#: 3

SEX: Male

DAY ON TEST: 369

DOSE: 0.175 ACRYL

DISP: Natural Death

HISTO: 021500700432

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLs = 3-10+10A]
* Mammary GI
Note: RC attempted
Mesentery Fat Necrosis Moderate
[Necrosis TGLs = 1-17]
* Sem Ves
Note: TGL 4 - NCL
* Skin
Note: TGL 2 - NCL
* Thymus Atrophy Mild
* Urinary Bladder Dilatation Mild
[Dilatation TGLs = 5-8]

PRIMARY CAUSE OF DEATH - UNCERTAIN

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 441

TRT#: 3

SEX: Male

DAY ON TEST: 663

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Epididymis		Hypospermia	Marked
* Heart		Schwannoma Malignant	
	[Schwannoma Malignant TGLs = 9-2A]		
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
	[Vacuolization Cytoplasmic TGLs = 6-3A]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 8-4A]		
Lymph Node	Lumbar	Degeneration	Cystic, Marked
	[Degeneration TGLs = 7-17]		
* Mammary GI			
	Note: TGL 2 - Noted grossly as Mammary gland was Skin		
* Preputial Gland		Inflammation	Marked
	[Inflammation TGLs = 1-7C]		
* Skin	Subcut Tiss	Schwannoma Malignant	
	[Schwannoma Malignant TGLs = 2-2B]		
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Infarct	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 441

TRT#: 3

SEX: Male

DAY ON TEST: 663

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700441

ORGAN AND ACCOUNTABLE SITE STATUS

[Infarct TGLs = 5-9]			
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
[Adenoma TGLs = 4,10-7B+7]			
[Atrophy TGLs = 3-7]			
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Schwannoma Malignant

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 442

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Epididymis		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
Note: TGL 5 - NCL			
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
Note: TGL 6 - NCL			
[Hyperplasia TGLs = 7-4A]			
[Infiltration Cellular TGLs = 7-4A]			
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Moderate
		Squamous Cell Papilloma	
[Ectasia TGLs = 1-7]			
[Inflammation TGLs = 1-7]			
* Prostate		Inflammation	Mild
* Seminal Vesicle		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 442

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700442

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLs = 4-7A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 2,3-7+7B]			
* Thymus		Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 451

TRT#: 3

SEX: Male

DAY ON TEST: 634

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700451

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Cerebellum
Coagulating Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Adrenal Medulla		Angiectasis	Mild
* Brain, Brain Stem	Hypothalamus	Compression	Mild
	Ventricle	Dilatation	Mild
	[Compression TGLs = 6-1A]		
* Brain, Cerebrum	Ventricle	Dilatation	Mild
Coagulat GI			
Note: TGL 2 - NCL			
* Epididymis		Exfoliated Germ Cell	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Marked
	[Leukemia Mononuclear TGLs = 3-3A]		
	[Vacuolization Cytoplasmic TGLs = 4-3]		
Lymph Node	Hepatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-17A]		
* Mammary GI			
Note: RC attempted			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 451

TRT#: 3

SEX: Male

DAY ON TEST: 634

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700451

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 7-9A]			
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Mild
[Inflammation TGLs = 1-7]			
* Prostate		Inflammation	Moderate
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Edema	Moderate
		Hyperplasia	Mild
		Ulcer	Moderate
[Edema TGLs = 8-12A]			
[Hyperplasia TGLs = 8-12A]			
[Ulcer TGLs = 8-12A]			
* Testes	Interstit Cell	Adenoma	
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 452

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700452

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Malignant	
* Epididymis		Exfoliated Germ Cell	Minimal
* Heart		Cardiomyopathy	Mild
	Atrium	Leukemia Mononuclear	
	[Thrombosis TGLs = 14-2A]	Thrombosis	
* Kidney		Nephropathy	Marked
* Liver		Cyst	
	Bile Duct	Hyperplasia	Moderate
	[Cyst TGLs = 16-3G]	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5,6,7,8,9,10,11-3+3A+3B+3C+3D+3E+3F]		
* Lung		Leukemia Mononuclear	
	Note: WT requested for TGL 13 located on slide 4A		
	[Leukemia Mononuclear TGLs = 13-4+4A]		
* Lymph Node, Mandibular		Degeneration	Cystic, Moderate
	[Degeneration TGLs = 2-10+10A]		
* Mammary Gland	Alveolus	Hyperplasia	Minimal
		Lactation	Minimal
* Pancreas	Acinar Cell	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 452

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700452

ORGAN AND ACCOUNTABLE SITE STATUS

* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 15-9A]			
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Mild
[Ectasia TGLs = 1-7]			
[Inflammation TGLs = 1-7]			
* Prostate		Inflammation	Minimal
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Infarct	
		Leukemia Mononuclear	
[Infarct TGLs = 4-9]			
[Leukemia Mononuclear TGLs = 3-9]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	Follicle	Cyst	
[Cyst TGLs = 12-6]			

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 511

TRT#: 1

SEX: Male

DAY ON TEST: 596

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700511

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mesenteric | * Nose | * Parathyroid Gland |
| Penis | * Preputial Gland | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|-------------------|---|------------------------|-------------|
| * Adrenal Medulla | | Hyperplasia | Focal, Mild |
| * Epididymis | | Exfoliated Germ Cell | Marked |
| | | Hypospermia | Marked |
| | | Mesothelioma Malignant | |
| | [Mesothelioma Malignant TGLs = 12-7D] | | |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| | Atrium | Thrombosis | |
| | [Thrombosis TGLs = 9-2A] | | |
| * Int Lg Rectum | | | |
| Note: TGL 6 - NCL | | | |
| * Kidney | Renal Tubule | Carcinoma | |
| | [Carcinoma TGLs = 5,15,16-8A+8B+8C] | | |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 8-3] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 10-17A] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 511

TRT#: 1

SEX: Male

DAY ON TEST: 596

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700511

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Infiltration Cellular TGLs = 1-10+10A]		Infiltration Cellular	Plasma Cell, Mild
* Mammary GI Note: RC attempted			
* Pancreas Penis Note: TGL 3 - NCL	Mesothelium	Hyperplasia	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland [Adenoma TGLs = 11-9A]	Pars Distalis	Adenoma	
* Prostate		Inflammation	Moderate
* Spleen [Leukemia Mononuclear TGLs = 4-9]		Leukemia Mononuclear	
* Stom Gland Note: TGL 7 - NCL			
* Testes [Adenoma TGLs = 2,14-7B+7C] [Atrophy TGLs = 13-7B+7C]	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 512

TRT#: 1

SEX: Male

DAY ON TEST: 669

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700512

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Atrophy	Moderate
* Epididymis		Exfoliated Germ Cell	Minimal
		Hypospermia	Moderate
* Eye	Retina	Degeneration	Moderate
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 11-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-17]		
	[Leukemia Mononuclear TGLs = 9-17A]		
	[Leukemia Mononuclear TGLs = 10-17B]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Moderate
* Pancreas	Acinar Cell	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 512

TRT#: 1

SEX: Male

DAY ON TEST: 669

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700512

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
	[Adenoma TGLs = 12-9A]		
	[Leukemia Mononuclear TGLs = 12-9A]		
* Preputial Gland		Inflammation	Moderate
* Prostate		Inflammation	Marked
	[Inflammation TGLs = 8-7B]		
* Seminal Vesicle		Atrophy	Mild
	[Atrophy TGLs = 7-7A]		
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-9]		
* Testes	Interstit Cell Seminif Tub Interstit Cell	Adenoma Atrophy Hyperplasia	Moderate Mild
	[Adenoma TGLs = 6-7]		
	[Atrophy TGLs = 4-7C]		
	[Hyperplasia TGLs = 5-7C]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 521

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700521

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Moderate
* Brain, Brain Stem	Hypothalamus	Compression	Moderate
	[Compression TGLs = 9-1A]		
* Epididymis		Exfoliated Germ Cell	Marked
		Hypospermia	Marked
		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLs = 7-7A]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Note: TGL 1 - Noted grossly as Lymph node, inguinal was Skin, subcutaneous tissue		
	[Leukemia Mononuclear TGLs = 3-17A]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-10+10A]		
* Mammary Gland		Lactation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 10-9A]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 521

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700521

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Mild
* Prostate		Inflammation	Mild
* Skin	Fat, Subcut Tiss	Necrosis	Moderate
	[Necrosis TGLs = 1-17]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-9]		
* Stomach, Forestomach		Hyperplasia	Moderate
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	[Adenoma TGLs = 6-7B]		
	[Atrophy TGLs = 5-7+7B]		
* Thymus			
	Note: RC attempted		
* Thyroid Gland	Follicle	Cyst	
	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
 CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 522

TRT#: 1

SEX: Male

DAY ON TEST: 605

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700522

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--------------------------|--|-----------------------|-----------------------|
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Hyperplasia | Mild |
| * Heart | Atrium | Leukemia Mononuclear | |
| | [Thrombosis TGLs = 8,9-2] | Thrombosis | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Degeneration | Cystic, Moderate |
| | [Leukemia Mononuclear TGLs = 7-3] | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 10-4+4A] | | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 5-10A] | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Moderate |
| * Pancreas | Acinar Cell | Atrophy | Mild |
| | Note: TGL 5 - Noted grossly as Pancreas was Lymph node, pancreatic | | |
| * Preputial Gland | Duct | Ectasia | Mild |
| | | Inflammation | Mild |
| | [Ectasia TGLs = 1-7] | | |
| * Spleen | | Infarct | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 522

TRT#: 1

SEX: Male

DAY ON TEST: 605

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700522

ORGAN AND ACCOUNTABLE SITE STATUS

Leukemia Mononuclear

[Infarct TGLs = 6-9]

[Leukemia Mononuclear TGLs = 4-9]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLs = 2,3-7B+7C]

* Thymus

Atrophy

Mild

Cyst

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 531

TRT#: 1

SEX: Male

DAY ON TEST: 500

DOSE: 0.70 ACRYL

DISP: Natural Death

HISTO: 021500700531

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

- | | | | |
|--------------------------|---|-----------------------------------|-------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| * Epididymis | | Mesothelioma Malignant | |
| * Heart | | Cardiomyopathy | Moderate |
| * Liver | | Hematopoietic Cell Proliferation | Mild |
| | Bile Duct | Hyperplasia | Mild |
| | [Hematopoietic Cell Proliferation TGLs = 4-3] | | |
| | [Hyperplasia TGLs = 4-3] | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Pituitary Gland | Pars Distalis | Cyst | |
| | [Cyst TGLs = 5-9] | | |
| * Spleen | | Hemangiosarcoma | |
| | [Hemangiosarcoma TGLs = 3-9A] | | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | | Mesothelioma Malignant | |
| | Note: TGL 2 also located on slide 7 with the routine Testes section | | |
| | [Adenoma TGLs = 2-7+7B] | | |
| * Thymus | | Atrophy | Moderate |

PRIMARY CAUSE OF DEATH - Spleen Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 531

TRT#: 1

SEX: Male

DAY ON TEST: 500

DOSE: 0.70 ACRYL

DISP: Natural Death

HISTO: 021500700531

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL 1 - NST (Cavity, abdominal, fluid)

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 532

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700532

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Brain, Brain Stem	Hypothalamus	Compression	Moderate
[Compression TGLs = 9-1A]			
* Epididymis		Hypospermia	Marked
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
		Leukemia Mononuclear	
Note: TGL 14 - NCL			
Note: TGL 15 - NCL			
[Basophilic Focus TGLs = 7-3+3A]			
[Eosinophilic Focus TGLs = 11,12,13-3+3A+3B]			
Lymph Node	Renal	Degeneration	Cystic, Marked
[Degeneration TGLs = 8-17]			
* Lymph Node, Mandibular		Degeneration	Cystic, Moderate
Note: Lymph node, mandibular on slide 10A is normal.			
[Degeneration TGLs = 2-10]			
* Mammary Gland		Fibroadenoma	
		Galactocele	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 532

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700532

ORGAN AND ACCOUNTABLE SITE STATUS

Alveolus	Hyperplasia	Marked
	Lactation	Moderate
Note: WT requested for TGL 1 located on slide 2B		
[Fibroadenoma TGLs = 1-2A+2B]		
[Galactocele TGLs = 1-2A+2B]		
Oral Mucosa	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLs = 16-17A]		
* Peripheral Nerve, Sciatic	Axon	Degeneration
* Pituitary Gland	Pars Distalis	Adenoma
[Adenoma TGLs = 10-9A]		
* Preputial Gland	Inflammation	Mild
* Prostate	Inflammation	Mild
* Seminal Vesicle	Atrophy	Mild
[Atrophy TGLs = 5-7A]		
* Spinal Cord, Cervical	Axon	Degeneration
* Spinal Cord, Lumbar	Nerve	Degeneration
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 6-9]		
* Testes	Interstitial Cell	Adenoma
	Seminif Tub	Atrophy
[Adenoma TGLs = 3-7B]		
[Atrophy TGLs = 4-7B]		
* Thymus	Atrophy	Mild

Animal Note: TGL 16 - Noted grossly as Cavity, oral was Oral mucosa

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 541

TRT#: 1

SEX: Male

DAY ON TEST: 560

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700541

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Epididymis | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Liver | * Lung | * Nose | * Pancreas |
| * Parathyroid Gland | * Preputial Gland | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|-----------------------------|---------------|---------------------------|-------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Brain, Brain Stem | Hypothalamus | Compression | Moderate |
| [Compression TGLs = 3-1A] | | | |
| * Brain, Cerebrum | Ventricle | Dilatation | Mild |
| | | Hydrocephalus | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Lymph Node, Mesenteric | | Degeneration | Cystic, Moderate |
| * Mammary Gland | | Lactation | Moderate |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLs = 2-9] | | | |
| * Prostate | | Inflammation | Mild |
| * Spinal Cord, Thoracic | Axon | Degeneration | Minimal |
| * Thymus | | Atrophy | Moderate |
| * Urin Bladder | | | |

Note: TGL 1 - NCL

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 542

TRT#: 1

SEX: Male

DAY ON TEST: 585

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700542

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Epididymis		Exfoliated Germ Cell	Minimal
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Int Lg Rectum			
Note: TGL 7 - NCL			
Note: The gross observation documented as TGL 7 was a fold of normal rectal mucosa.			
* Kidney		Nephropathy	Moderate
* Liver		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Marked
[Inflammation TGLs = 4-4+4A]			
Lymph Node		Degeneration	Cystic, Moderate
		Inflammation	Moderate
[Degeneration TGLs = 2-17]			
[Inflammation TGLs = 6-17B]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
Mesentery			
Note: TGL 2 - Noted grossly as Mesentery was Lymph node			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 542

TRT#: 1

SEX: Male

DAY ON TEST: 585

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700542

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland [Inflammation TGLs = 1-7]		Inflammation	Moderate
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen [Leukemia Mononuclear TGLs = 3-9]		Leukemia Mononuclear	
* Thymus		Atrophy	Mild
Tissue NOS	Fat, Scrotal	Necrosis	Moderate

Note: TGL 6 - Noted grossly as Tissue NOS was Lymph node
[Necrosis TGLs = 5-17A]

PRIMARY CAUSE OF DEATH - Lung Inflammation

Animal Note: TGL 5 - Noted grossly as Cavity, scrotal was Tissue NOS, scrotum

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 551

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700551

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|--------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose |
| * Parathyroid Gland | * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--|---------------|---------------------------|----------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Brain, Brain Stem | Hypothalamus | Compression | Mild |
| [Compression TGLs = 15-1A] | | | |
| * Epididymis | | Exfoliated Germ Cell | Moderate |
| | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| * Intestine Small, Ileum | | Leukemia Mononuclear | |
| * Kidney | | Nephropathy | Marked |
| * Liver | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 7,8-3] | | | |
| * Lung | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 17-4A] | | | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | Lumbar | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Deep Cervical | Leukemia Mononuclear | |
| | Axillary | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 5-17] | | | |
| [Leukemia Mononuclear TGLs = 6-17A] | | | |
| [Leukemia Mononuclear TGLs = 9-17B] | | | |
| [Leukemia Mononuclear TGLs = 10-17C] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 551

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700551

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 11-17D]			
[Leukemia Mononuclear TGLs = 12-17E]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 1-10+10A]			
* Lymph Node, Mesenteric		Degeneration	Cystic, Marked
[Degeneration TGLs = 16-11]			
* Mammary Gland		Galactocele	
	Alveolus	Hyperplasia	Minimal
		Lactation	Moderate
[Galactocele TGLs = 13-2A]			
* Pancreas		Leukemia Mononuclear	
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 14-9A]			
* Preputial Gland		Inflammation	Mild
* Prostate		Leukemia Mononuclear	
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4-9]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 2,3-7B+7]			
* Thymus		Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 552

TRT#: 1

SEX: Male

DAY ON TEST: 586

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700552

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain, Brain Stem	Hypothalamus	Compression	Mild
	[Compression TGLs = 8-1]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Mild
	[Leukemia Mononuclear TGLs = 6-3]	Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Mild
	[Degeneration TGLs = 3-10+10A]		
* Mammary Gland		Lactation	Mild
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLs = 4-17]		
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 7-9A]		
* Preputial Gland		Adenoma	
		Inflammation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 552

TRT#: 1

SEX: Male

DAY ON TEST: 586

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700552

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 1-7B]

[Inflammation TGLs = 2-7]

* Prostate

Inflammation

Moderate

* Spinal Cord, Thoracic

Axon

Degeneration

Minimal

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 5-9]

* Testes

Interstit Cell

Adenoma

* Thymus

Atrophy

Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 611

TRT#: 5

SEX: Male

DAY ON TEST: 716

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500700611

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain, Brain Stem		Leukemia Mononuclear	
* Brain, Cerebellum		Leukemia Mononuclear	
* Epididymis		Exfoliated Germ Cell	Moderate
* Heart		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 13-2A]		
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Moderate
	Hepatocyte	Hyperplasia	Marked
		Leukemia Mononuclear	
Note: TGL 22 - NCL			
	[Degeneration TGLs = 10-3B]		
	[Leukemia Mononuclear TGLs = 8,9,15,16,17-3+3A+3B+3C+3D+3E]		
* Lung		Leukemia Mononuclear	
Lymph Node	Renal	Degeneration	Cystic, Marked
	Pancreatic	Hemorrhage	Moderate
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	[Degeneration TGLs = 11-17A]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 611

TRT#: 5

SEX: Male

DAY ON TEST: 716

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500700611

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage	TGLs = 3-17]		
[Leukemia Mononuclear	TGLs = 3-17]		
[Leukemia Mononuclear	TGLs = 11-17A]		
[Leukemia Mononuclear	TGLs = 12-17B]		
[Leukemia Mononuclear	TGLs = 14-17C]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 2-10+10A]		
* Lymph Node, Mesenteric		Degeneration	Cystic, Mild
		Leukemia Mononuclear	
* Mammary Gland		Lactation	Marked
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland		Angiectasis	Moderate
* Preputial Gland		Inflammation	Moderate
[Inflammation	TGLs = 1-7]		
* Prostate		Inflammation	Mild
* Spinal Cord, Cervical		Leukemia Mononuclear	
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
		Leukemia Mononuclear	
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 4,5,18,19,20,21-9+9A+9B+9C+9D+9E]		
* Testes	Interstitial Cell	Adenoma	
[Adenoma	TGLs = 6-7B]		
* Thymus		Atrophy	Mild
* Urinary Bladder		Dilatation	Moderate
[Dilatation	TGLs = 7-8]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 612

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700612

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mesenteric | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|---------------------|-----------------------------|----------------------------|---------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Brain, Brain Stem | | Astrocytoma Nos | |
| | Hypothalamus | Compression | Moderate |
| | [Compression TGLs = 12-1] | | |
| * Epididymis | | Hypospermia | Marked |
| | | Mesothelioma Malignant | |
| * Eye | Sclera | Metaplasia | Osseous, Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Marked |
| * Liver | Left Lat Lobe | Developmental Malformation | |
| | Right Lat Lobe | Developmental Malformation | |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Mild |

Note: TGL 9 - NCL

- [Developmental Malformation TGLs = 7-3A]
- [Developmental Malformation TGLs = 8-3B]
- [Leukemia Mononuclear TGLs = 6-3]

- * Lung

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 612

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700612

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 10 - NCL

* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland	Alveolus	Hyperplasia	Moderate
		Lactation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Marked
* Prostate		Inflammation	Moderate
* Seminal Vesicle		Atrophy	Mild
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
* Thymus			

Note: No RC per pathologist

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 621

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700621

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Cerebellum
* Brain, Cerebrum	* 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	* Peripheral Nerve, Sciatic	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Brain, Brain Stem	Hypothalamus	Compression	Moderate
	[Compression TGLs = 11-1A]		
* Epididymis		Exfoliated Germ Cell	Mild
* Eye	Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart	Atrium	Cardiomyopathy	Mild
	[Thrombosis TGLs = 13-2A]	Thrombosis	
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 5-8]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 9-3]		
Lymph Node	Renal	Degeneration	Cystic, Marked
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
	[Degeneration TGLs = 7-17A]		
	[Infiltration Cellular TGLs = 6-17]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Galactocele	
		Lactation	Mild

Note: TGL 8 - Noted grossly as Mammary gland was Skin

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 621

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700621

ORGAN AND ACCOUNTABLE SITE STATUS

	[Galactocoele TGLs = 12-2C]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 10-9A]		
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Marked
		Squamous Cell Carcinoma	
	[Ectasia TGLs = 1-7B]		
	[Inflammation TGLs = 1-7B]		
	[Squamous Cell Carcinoma TGLs = 2-7C]		
* Prostate		Inflammation	Mild
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLs = 8-2B]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Spleen	Red Pulp	Atrophy	Marked
		Infarct	
		Leukemia Mononuclear	
	[Atrophy TGLs = 4-9]		
	[Leukemia Mononuclear TGLs = 3-9]		
* Stom Gland			
	Note: TGL 14 - NCL		
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 622

TRT#: 5

SEX: Male

DAY ON TEST: 539

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500700622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|---------------------------|-------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Epididymis | * Esophagus | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Preputial Gland | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thyroid Gland | Tongue | * Trachea | |

AUTO PRECLUDES DIAG.

- | | | | |
|----------------------|-----------------------------|--------------------------|----------------------------|
| * Eye | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Pancreas | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|-------------------------------|---------------|----------------|----------|
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Minimal |
| * Nose | | Keratin Cyst | |
| [Keratin Cyst TGLs = 4-14B] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLs = 2-9A] | | | |
| * Prostate | | Inflammation | Mild |
| * Spleen | | Pigmentation | Mild |
| * Thymus | | Atrophy | Marked |
| * Thyroid GI | | | |
| Note: TGL 1 - NCL | | | |
| Tongue | | | |
| Note: TGL 3 - NCL | | | |

PRIMARY CAUSE OF DEATH - Nose Keratin Cyst

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 631

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700631

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Epididymis		Exfoliated Germ Cell	Moderate
		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	
	[Thrombosis TGLs = 12-2]		
* Islets, Pancreatic		Adenoma	
* Kidney		Cyst	
		Nephropathy	Moderate
	[Cyst TGLs = 9-8A]		
	[Nephropathy TGLs = 8-8]		
* Liver		Leukemia Mononuclear	
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Renal	Degeneration	Cystic, Moderate
	Note: TGL 6 - Noted grossly as Lymph node, pancreatic was Pancreas		
	[Degeneration TGLs = 10-17A]		
	[Degeneration TGLs = 11-17B]		
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Mild
	[Degeneration TGLs = 2-10+10A]		
	[Hyperplasia TGLs = 2-10+10A]		
* Mammary Gland	Alveolus	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 631

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700631

ORGAN AND ACCOUNTABLE SITE STATUS

Lactation Marked

[Hyperplasia TGLs = 7-2]

[Lactation TGLs = 7-2]

* Pancreas

Acinar Cell

Atrophy

Mild

Polyarteritis

Marked

[Polyarteritis TGLs = 6-17]

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLs = 13-9A]

* Preputial Gland

Carcinoma

[Carcinoma TGLs = 1-7B]

* Spinal Cord, Cervical

Axon

Degeneration

Minimal

* Spinal Cord, Lumbar

Nerve

Degeneration

Minimal

* Spinal Cord, Thoracic

Axon

Degeneration

Minimal

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 5-9]

* Testes

Interstit Cell

Adenoma

Seminif Tub

Atrophy

Marked

[Adenoma TGLs = 4-7C]

[Atrophy TGLs = 3-7C]

* Thymus

Atrophy

Mild

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 632

TRT#: 5

SEX: Male

DAY ON TEST: 617

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500700632

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* 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
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Prostate	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Intestine Large, Colon

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLs = 4-9]			
* Epididymis		Exfoliated Germ Cell	Moderate
		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
* Int Lg Colon			
Note: WT attempted			
* Kidney		Nephropathy	Moderate
* Liver		Granuloma	Mild
		Vacuolization Cytoplasmic	Mild
[Vacuolization Cytoplasmic TGLs = 7-3]			
* Preputial Gland		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Marked
[Decreased Secretory Fluid TGLs = 6-7A]			
* Spleen			
Note: TGL 3 - NCL			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 632

TRT#: 5

SEX: Male

DAY ON TEST: 617

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500700632

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
[Adenoma TGLs = 1-7+7B]			
[Atrophy TGLs = 2-7B]			
* Thymus		Atrophy	Mild
Zymbal's Gland		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLs = 5-17]			

PRIMARY CAUSE OF DEATH - Zymbal's Gland Squamous Cell Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 641

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700641

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Epididymis		Exfoliated Germ Cell	Mild
		Hypospermia	Marked
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 7-8]		
* Liver		Angiectasis	Mild
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
	[Angiectasis TGLs = 10-3]		
	[Degeneration TGLs = 10-3]		
	[Eosinophilic Focus TGLs = 10-3]		
Lymph Node	Mediastinal	Hemorrhage	Moderate
	[Hemorrhage TGLs = 8-17]		
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
	Note: Located on slide 10		
* Pancreas	Acinar Cell	Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 641

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700641

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 9-9]			
* Preputial Gland		Inflammation	Moderate
[Inflammation TGLs = 2-7]			
* Prostate		Inflammation	Moderate
[Inflammation TGLs = 6-7]			
* Skin	Sebaceous GI	Adenoma	
[Adenoma TGLs = 1-2A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 5-9]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 3,4-7B+7C]			
* Thymus		Atrophy	Mild
* Urinary Bladder		Dilatation	Marked
[Dilatation TGLs = 11-8A]			

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 642

TRT#: 5

SEX: Male

DAY ON TEST: 563

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500700642

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|--------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Epididymis | * Esophagus |
| * Eye | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Islets, Pancreatic | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Pituitary Gland | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

AUTO PRECLUDES DIAG.

- | | |
|---------------|----------------------------|
| * Bone Marrow | * Intestine Small, Jejunum |
|---------------|----------------------------|

OBSERVATIONS

- | | | |
|--|-----------------------|-----------------------|
| * Brain, Cerebrum | Mineralization | Minimal |
| * Harderian Gland | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | Cardiomyopathy | Mild |
| * Kidney | Carcinoma | |
| [Carcinoma TGLs = 4-8A] | | |
| * Liver | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 5-3] | | |
| * Lung | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | Infiltration Cellular | Plasma Cell, Moderate |
| * Preputial Gland | Inflammation | Moderate |
| [Inflammation TGLs = 1-7] | | |
| * Prostate | Inflammation | Mild |
| * Spleen | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 2,3-9+9A] | | |
| * Thymus | Atrophy | Moderate |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 711

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700711

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Prostate
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Epididymis		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	
	[Thrombosis TGLs = 8-2]		
* Intestine Small, Jejunum	Lymphoid Tiss	Hyperplasia	Mild
	[Hyperplasia TGLs = 11-11]		
* Kidney		Hydronephrosis	Mild
		Nephropathy	Moderate
	[Hydronephrosis TGLs = 13-8]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-3]		
* Lymph Node, Mandibular		Degeneration	Cystic, Moderate
	[Degeneration TGLs = 2-10+10A]		
* Lymph Node, Mesenteric		Degeneration	Cystic, Moderate
	[Degeneration TGLs = 10-11A]		
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Moderate
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 711

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700711

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle [Atrophy TGLs = 12-7A]	Atrophy	Mild
* Spleen [Leukemia Mononuclear TGLs = 5,6-9]	Leukemia Mononuclear	
* Testes [Adenoma TGLs = 3,4-7+7B]	Bilateral, Interstit Cell Adenoma	
* Thyroid GI Note: TGL 9 - NCL		

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 712

TRT#: 2

SEX: Male

DAY ON TEST: 679

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700712

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Brain, Brain Stem [Compression TGLs = 6-1]	Hypothalamus	Compression	Moderate
* Epididymis		Exfoliated Germ Cell	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Leukemia Mononuclear	
* Lung [Leukemia Mononuclear TGLs = 5-4A]		Leukemia Mononuclear	
* Mammary Gland		Lactation	Moderate
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland [Adenoma TGLs = 7-9]	Pars Distalis	Adenoma	
* Preputial Gland [Squamous Cell Papilloma TGLs = 1-7]		Squamous Cell Papilloma	
* Prostate		Inflammation	Moderate
* Seminal Vesicle [Atrophy TGLs = 3-7A]		Atrophy	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen [Leukemia Mononuclear TGLs = 2-9]		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 712

TRT#: 2

SEX: Male

DAY ON TEST: 679

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700712

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLs = 4-6]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 721

TRT#: 2

SEX: Male

DAY ON TEST: 698

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700721

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Epididymis		Exfoliated Germ Cell	Mild
		Hypospermia	Mild
Note: TGL 2 - NCL			
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
Note: TGL 3 - NCL			
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8,9,10-3+3A+3B]		
* Lung		Leukemia Mononuclear	
Lymph Node	Medulla, Pancreatic, Sinus	Dilatation	Marked
	Renal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
[Dilatation TGLs = 6-17]			
	[Leukemia Mononuclear TGLs = 7-17A]		
	[Leukemia Mononuclear TGLs = 12-17B]		
	[Leukemia Mononuclear TGLs = 13-17C]		
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 721

TRT#: 2

SEX: Male

DAY ON TEST: 698

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700721

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear	TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 14-11]		
* Mammary GI			
Note: RC attempted			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Intermed	Cyst	
* Preputial Gland		Inflammation	Moderate
* Prostate		Inflammation	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Infarct	
		Leukemia Mononuclear	
[Infarct	TGLs = 5-9A]		
[Leukemia Mononuclear	TGLs = 4-9]		
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 11-10]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 722

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700722

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Epididymis		Exfoliated Germ Cell	Mild
		Hypospermia	Marked
		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
Note: TGL 9 - NCL			
* Kidney		Nephropathy	Moderate
Note: TGL 6 - NCL			
* Liver		Granuloma	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 7-3]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Leukemia Mononuclear	
[Alveolar/Bronchiolar Adenoma TGLs = 10-4A]			
Lymph Node	Mediastinal	Degeneration	Cystic, Mild
[Degeneration TGLs = 11-17A]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Mild
[Degeneration TGLs = 1-10+10A]			
[Hyperplasia TGLs = 1-10+10A]			
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Pancreas	Acinar Cell	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 722

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700722

ORGAN AND ACCOUNTABLE SITE STATUS

* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 12-9A]			
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Moderate
* Prostate		Inflammation	Moderate
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Accessory Spleen	
		Leukemia Mononuclear	
[Accessory Spleen TGLs = 4-9]			
[Leukemia Mononuclear TGLs = 5-9]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
[Adenoma TGLs = 3-7B]			
[Atrophy TGLs = 2-7]			
* Thymus		Atrophy	Mild
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLs = 8-17]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 731

TRT#: 2

SEX: Male

DAY ON TEST: 718

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700731

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|-----------------------------|-----------------------------|
| * Blood Vessel | * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Prostate |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------|--|-------------------------|------------------|
| * Adrenal Cortex | | Hypertrophy | Focal, Mild |
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| | [Pheochromocytoma Benign TGLs = 7-9] | | |
| * Bone Marrow | | Atrophy | Mild |
| * Epididymis | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| | [Leukemia Mononuclear TGLs = 11-2A] | Leukemia Mononuclear | |
| * Int Sm Duoden | | | |
| | Note: TGL 15 - NCL | | |
| * Kidney | | Nephropathy | Moderate |
| | [Nephropathy TGLs = 16-8] | | |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 8-3] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Renal | Degeneration | Cystic, Marked |
| | Mediastinal | Degeneration | Cystic, Moderate |
| | Lumbar | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | [Degeneration TGLs = 10-17A] | | |
| | [Degeneration TGLs = 14-17B] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 731

TRT#: 2

SEX: Male

DAY ON TEST: 718

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700731

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear	TGLs = 9-17]		
[Leukemia Mononuclear	TGLs = 14-17B]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 2-10+10A]		
* Lymph Node, Mesenteric	Medulla, Sinus	Dilatation	Moderate
[Dilatation	TGLs = 13-11]		
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
Oral Mucosa		Squamous Cell Papilloma	
[Squamous Cell Papilloma	TGLs = 19-17C]		
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma	TGLs = 12-9B]		
* Preputial Gland		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma	TGLs = 1-7B]		
* Seminal Vesicle		Atrophy	Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 3,4-9+9A]		
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma	TGLs = 5,6,17,18-7+7C+7D+7E]		
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL 19 - Noted grossly as Cavity, oral was Oral mucosa

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 732

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700732

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
		Thrombosis	Mild
* Brain, Brain Stem	Hypothalamus	Compression	Mild
[Compression TGLs = 7-1]			
* Epididymis		Hypospermia	Marked
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLs = 8-17]			
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
Lymph Node			
Note: TGL 8 - Noted grossly as Lymph node, pancreatic was Islets pancreas			
* Lymph Node, Mesenteric		Hemorrhage	Moderate
[Hemorrhage TGLs = 9-11]			
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Nose		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 6-9A]			
* Preputial Gland		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 732

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700732

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLs = 1-7]			
* Prostate		Inflammation	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Accessory Spleen	
		Leukemia Mononuclear	
[Accessory Spleen TGLs = 5-9]			
[Leukemia Mononuclear TGLs = 4-9]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
[Adenoma TGLs = 3-7B]			
[Atrophy TGLs = 2-7]			
* Thymus		Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 741

TRT#: 2

SEX: Male

DAY ON TEST: 614

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700741

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Pituitary Gland | * Preputial Gland | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---|-------------------|----------------------|------|
| * Epididymis | | Exfoliated Germ Cell | Mild |
| * Heart | | Leukemia Mononuclear | |
| | | Schwannoma Malignant | |
| * Int Lg Cecum | | | |
| Note: TGL 8 - NCL | | | |
| Note: Observation recorded as TGL 8 was essentially normal lymphoid tissue. | | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Axillary | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| | Lumbar | Leukemia Mononuclear | |
| [Leukemia Mononuclear | TGLs = 2-17] | | |
| [Leukemia Mononuclear | TGLs = 4-17A] | | |
| [Leukemia Mononuclear | TGLs = 5-17B] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| [Leukemia Mononuclear | TGLs = 1-10+10A] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Mammary Gland | | Galactocele | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 741

TRT#: 2

SEX: Male

DAY ON TEST: 614

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700741

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa		Hyperplasia	Marked
[Hyperplasia TGLs = 9-17C]			
* Pancreas	Acinar Cell	Atrophy	Minimal
* Prostate		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 3-9A]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stom Gland			
Note: TGL 7 - NCL			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLs = 6-7B]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL 9 - Noted grossly as Cavity, oral was Oral mucosa

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 742

TRT#: 2

SEX: Male

DAY ON TEST: 620

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain, Brain Stem [Compression TGLs = 7-1A]	Hypothalamus	Compression	Moderate
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver [Degeneration TGLs = 4-3A] [Leukemia Mononuclear TGLs = 5-3]		Degeneration Leukemia Mononuclear	Cystic, Mild
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland [Galactocele TGLs = 2-2A]		Galactocele Lactation	Moderate
* Pituitary Gland [Adenoma TGLs = 6-9A]	Pars Distalis	Adenoma	
* Preputial Gland [Ectasia TGLs = 1-7B] [Inflammation TGLs = 1-7B]	Duct	Ectasia Inflammation	Moderate Moderate
* Prostate		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 742

TRT#: 2

SEX: Male

DAY ON TEST: 620

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700742

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 3-9]		
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 751

TRT#: 2

SEX: Male

DAY ON TEST: 585

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700751

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebrum
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Penis	* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar	* Stomach, Forestomach
* Testes	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Blood Vessel		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Moderate
* Brain, Cerebellum		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 10-1A]		
* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 13-12]		
* Intestine Large, Colon		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 14-11A]		
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
	[Leukemia Mononuclear TGLs = 15-8]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-3]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8-4]		
Lymph Node		Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 751

TRT#: 2

SEX: Male

DAY ON TEST: 585

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700751

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear	TGLs = 4-17]		
[Leukemia Mononuclear	TGLs = 7-17C]		
[Leukemia Mononuclear	TGLs = 9-17D]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 12-11]		
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Moderate
[Leukemia Mononuclear	TGLs = 5-17A]		
[Necrosis	TGLs = 5-17A]		
Penis			
Note: TGL 6 - NCL			
Note: Gross observation recorded as TGL 6 was normal seminal fluid in Preputial cavity.			
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 11-9]		
* Preputial Gland	Duct	Ectasia	Moderate
[Ectasia	TGLs = 1-7]		
* Prostate		Inflammation	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 2-9A]		
* Stomach, Glandular		Amyloid Deposition	Mild
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 752

TRT#: 2

SEX: Male

DAY ON TEST: 428

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700752

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Epididymis | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------------------|-----------|----------------------------------|---------------------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| Note: TGL 2 - NCL | | | |
| * Liver | | Granuloma | Mild |
| | | Hematopoietic Cell Proliferation | Minimal |
| | Bile Duct | Hyperplasia | Mild |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| * Mammary Gland | | Lactation | Minimal |
| * Skin | | Basal Cell Carcinoma | |
| [Basal Cell Carcinoma TGLs = 1-2A] | | | |
| * Thymus | | Atrophy | Mild |
| * Thyroid GI | | | |
| Note: TGL 3 - NCL | | | |

PRIMARY CAUSE OF DEATH - Skin Basal Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 861

TRT#: 3

SEX: Male

DAY ON TEST: 519

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700861

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain, Brain Stem		Leukemia Mononuclear	
* Brain, Cerebellum		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-1A]		
* Brain, Cerebrum		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-2A]		
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-3]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-11]		
* Preputial Gland		Inflammation	Mild
* Prostate		Leukemia Mononuclear	
* Seminal Vesicle		Decreased Secretory Fluid	Mild
	[Decreased Secretory Fluid TGLs = 3-7A]		
* Spinal Cord, Cervical		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8-5]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 861

TRT#: 3

SEX: Male

DAY ON TEST: 519

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700861

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Lumbar

Leukemia Mononuclear

* Spinal Cord, Thoracic

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 1-9A]

* Thymus

Atrophy

Moderate

* Urin Bladder

Note: TGL 2 - NCL

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 862

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700862

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|-----------------------------|---------------|----------------------|-----------------|
| * Adrenal Cortex | | Hypertrophy | Focal, Mild |
| * Brain, Brain Stem | Hypothalamus | Compression | Mild |
| [Compression TGLs = 2-1] | | | |
| * Brain, Cerebrum | Ventricle | Dilatation | Mild |
| * Epididymis | | Exfoliated Germ Cell | Moderate |
| | | Hypospermia | Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Degeneration | Cystic, Minimal |
| | Bile Duct | Hyperplasia | Minimal |
| * Mammary Gland | Alveolus | Hyperplasia | Mild |
| * Pancreas | Acinar Cell | Atrophy | Moderate |
| * Parathyroid GI | | | |
| Note: No RC per pathologist | | | |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Cyst | |
| [Cyst TGLs = 3-9] | | | |
| * Preputial Gland | | Inflammation | Mild |
| * Prostate | | Inflammation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 862

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700862

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 4,5-7+7B]			
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLs = 1-6]			

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 871

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700871

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Mammary Gland | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|----------------------------------|-------------------------|------------------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Epididymis | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| | Atrium | Thrombosis | |
| | [Thrombosis TGLs = 9-2A] | | |
| * Kidney | | Nephropathy | Marked |
| | [Nephropathy TGLs = 6-8] | | |
| * Liver | | Degeneration | Cystic, Mild |
| | | Granuloma | Minimal |
| | Bile Duct | Hyperplasia | Minimal |
| Lymph Node | Lumbar | Degeneration | Cystic, Moderate |
| | Renal | Degeneration | Cystic, Moderate |
| | [Degeneration TGLs = 7-17] | | |
| | [Degeneration TGLs = 8-17A] | | |
| * Lymph Node, Mandibular | | Degeneration | Cystic, Moderate |
| | [Degeneration TGLs = 3-10+10A] | | |
| * Lymph Node, Mesenteric | | Degeneration | Cystic, Mild |
| * Nose | | Inflammation | Minimal |
| * Pancreas | Acinar Cell | Atrophy | Mild |
| | | Polyarteritis | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 871

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700871

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 10-9A]			
* Preputial Gland		Adenoma	
		Carcinoma	
[Adenoma TGLs = 2-7]			
[Carcinoma TGLs = 1-7B]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLs = 5-9]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 4-7+7C]			

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 872

TRT#: 3

SEX: Male

DAY ON TEST: 719

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700872

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Blood Vessel | * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Parathyroid Gland | * Pituitary Gland | * Prostate |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--------------------------|---------------------------------------|----------------------------|--------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| | | Pheochromocytoma Malignant | |
| * Bone Marrow | | Atrophy | Moderate |
| * Brain, Cerebrum | | Glioma Nos | |
| * Epididymis | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| | Atrium | Leukemia Mononuclear | |
| | [Thrombosis TGLs = 9-2A] | Thrombosis | |
| * Intestine Large, Cecum | | Leukemia Mononuclear | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 7-3] | | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 10-4] | | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 4-17] | | |
| | [Leukemia Mononuclear TGLs = 8-17A] | | |
| * Lymph Node, Mandibular | | Degeneration | Cystic, Mild |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Mammary Gland | Alveolus | Hyperplasia | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 872

TRT#: 3

SEX: Male

DAY ON TEST: 719

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700872

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Lactation	Moderate
		Inflammation	Mild
* Pancreas		Leukemia Mononuclear	
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland			
Note: TGL 11 - NCL			
* Preputial Gland		Adenoma	
	Duct	Ectasia	Moderate
	Glandular	Hyperplasia	Moderate
[Adenoma TGLs = 1-7]			
[Ectasia TGLs = 1-7]			
* Seminal Vesicle		Atrophy	Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Infarct	
		Leukemia Mononuclear	
[Infarct TGLs = 3-9A]			
[Leukemia Mononuclear TGLs = 2-9]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 12-12A]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
[Adenoma TGLs = 6-7B]			
[Atrophy TGLs = 5-7]			
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 881

TRT#: 3

SEX: Male

DAY ON TEST: 623

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700881

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle | * Skin |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | |

OBSERVATIONS

- | | | | |
|-------------------------|---|---------------------------|-----------------------|
| * Epididymis | | Exfoliated Germ Cell | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Necrosis | Coagulative, Moderate |
| | | Vacuolization Cytoplasmic | Moderate |
| | [Vacuolization Cytoplasmic TGLs = 4-3A] | | |
| * Preputial Gland | | Inflammation | Moderate |
| * Spinal Cord, Cervical | Axon | Degeneration | Minimal |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 1,2-7+7B] | | |
| * Thymus | | Atrophy | Mild |
| * Urinary Bladder | | Dilatation | Moderate |
| | [Dilatation TGLs = 3-8] | | |

PRIMARY CAUSE OF DEATH - Liver Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 882

TRT#: 3

SEX: Male

DAY ON TEST: 548

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700882

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Spleen	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain, Cerebrum	Ventricle	Dilatation	Mild
		Hydrocephalus	Minimal
* Epididymis		Exfoliated Germ Cell	Moderate
		Hypospermia	Moderate
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	
	[Hepatocellular Carcinoma TGLs = 1-3A]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLs = 2-4]		
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-9]		
* Preputial Gland		Inflammation	Moderate
* Prostate		Inflammation	Moderate
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
* Stomach, Forestomach		Hyperplasia	Mild
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 891

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700891

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	Oral Mucosa
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Malignant TGLs = 7-9]	Pheochromocytoma Malignant	
Ear Note: TGL 1 - Noted grossly as Ear was Skin, ear		
* Epididymis	Hypospermia	Marked
* Heart Note: TGL 9 - NCL [Schwannoma Malignant TGLs = 10-2B]	Cardiomyopathy Schwannoma Malignant	Moderate
* Kidney [Nephropathy TGLs = 8-8]	Nephropathy	Marked
* Liver [Histiocytic Sarcoma TGLs = 13-3]	Angiectasis Histiocytic Sarcoma	Mild
* Lung Alveolar Epith Alveolus [Histiocytic Sarcoma TGLs = 16-4B] [Hyperplasia TGLs = 11-4A] [Infiltration Cellular TGLs = 11-4A]	Histiocytic Sarcoma Hyperplasia Infiltration Cellular	Moderate Histiocyte, Moderate
* Lymph Node, Mandibular	Basal Cell Carcinoma Degeneration	Metastatic (Skin) Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 891

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700891

ORGAN AND ACCOUNTABLE SITE STATUS

Infiltration Cellular

Plasma Cell, Moderate

Note: TGL 3 was written up as bilateral but one side was Degeneration and Infiltration cellular and the other side was Basal cell carcinoma.

[Basal Cell Carcinoma TGLs = 3-10]

[Degeneration TGLs = 3-10A]

[Infiltration Cellular TGLs = 3-10A]

* Mammary Gland

Alveolus

Galactocele

Hyperplasia

Lactation

Moderate

Minimal

[Galactocele TGLs = 2-2A]

Oral Mucosa

Note: TGL 17 - NCL

* Pancreas

Acinar Cell

Atrophy

Mild

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLs = 12-9A]

* Preputial Gland

Inflammation

Mild

* Prostate

Inflammation

Mild

* Seminal Vesicle

Atrophy

Mild

[Atrophy TGLs = 15-7A]

* Skin

Basal Cell Carcinoma

Note: Carcinoma metastasized to left Lymph node, mandibular - slide 10

[Basal Cell Carcinoma TGLs = 1-17]

* Spinal Cord, Cervical

Axon

Degeneration

Minimal

* Spinal Cord, Lumbar

Nerve

Degeneration

Minimal

* Spinal Cord, Thoracic

Axon

Degeneration

Minimal

* Spleen

Histiocytic Sarcoma

[Histiocytic Sarcoma TGLs = 4-9]

* Stomach, Forestomach

Hyperplasia

Marked

[Hyperplasia TGLs = 14-12A]

* Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Marked

[Adenoma TGLs = 6-7]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 891

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700891

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLs = 5-7]

* Thymus

Atrophy

Mild

Animal Note: TGL 17 - Noted grossly as Cavity, oral was Oral mucosa

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 892

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700892

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Spinal Cord, Lumbar | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | |
|--|---------------------------------------|---|
| * Adrenal Medulla
[Pheochromocytoma Malignant TGLs = 5-9] | Pheochromocytoma Malignant | |
| * Epididymis | Exfoliated Germ Cell | Mild |
| * Heart | Cardiomyopathy | Mild |
| * Kidney
[Nephropathy TGLs = 4-8] | Nephropathy | Marked |
| * Liver
[Leukemia Mononuclear TGLs = 6-3] | Leukemia Mononuclear | |
| Lymph Node
Renal | Degeneration | Cystic, Moderate |
| Deep Cervical | Degeneration | Cystic, Moderate |
| Renal
[Degeneration TGLs = 7-17]
[Degeneration TGLs = 8-17A]
[Leukemia Mononuclear TGLs = 7-17] | Leukemia Mononuclear | |
| * Lymph Node, Mandibular
[Degeneration TGLs = 2-10+10A]
[Infiltration Cellular TGLs = 2-10+10A] | Degeneration
Infiltration Cellular | Cystic, Moderate
Plasma Cell, Moderate |
| * Lymph Node, Mesenteric | Leukemia Mononuclear | |
| * Mammary Gland
Alveolus | Hyperplasia
Lactation | Minimal
Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 892

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700892

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma	TGLs = 9-17B]		
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma	TGLs = 10-9A]		
* Preputial Gland		Inflammation	Moderate
* Prostate		Inflammation	Mild
* Skin	Sebaceous GI	Adenoma	
[Adenoma	TGLs = 1-2A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 3-9]		
* Stomach, Forestomach		Hyperplasia	Marked
[Hyperplasia	TGLs = 11-12A]		
* Testes		Polyarteritis	Mild
* Thymus		Atrophy	Minimal
* Thyroid Gland	C Cell	Adenoma	

Animal Note: TGL 9 - Noted grossly as Cavity, oral was Oral mucosa

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 901

TRT#: 3

SEX: Male

DAY ON TEST: 508

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700901

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-17]		
	[Leukemia Mononuclear TGLs = 6-17A]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-11A]		
* Preputial Gland		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 901

TRT#: 3

SEX: Male

DAY ON TEST: 508

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700901

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear	TGLs = 2-9A]		
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 4-10B]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Liver Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 902

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700902

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Focal, Mild
Note: TGL 7 - NCL			
* Brain, Brain Stem	Hypothalamus	Compression	Moderate
[Compression TGLs = 10-1A]			
* Epididymis		Exfoliated Germ Cell	Minimal
		Hypospermia	Mild
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	
[Thrombosis TGLs = 9-2]			
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Moderate
[Hyperplasia TGLs = 13-12A]			
* Kidney		Nephropathy	Marked
[Nephropathy TGLs = 8-8]			
* Liver	Left Lat Lobe	Developmental Malformation	
		Granuloma	Mild
[Developmental Malformation TGLs = 12-3A]			
* Lung	Alveolar Epith	Hyperplasia	Marked
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Galactocele	
	Alveolus	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 902

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700902

ORGAN AND ACCOUNTABLE SITE STATUS

		Lactation	Moderate
	[Galactocoele TGLs = 2,3,4-2A+2B+2C]		
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 11-9B]		
* Preputial Gland		Adenoma	Multiple
	[Adenoma TGLs = 1-7B]		
* Prostate		Inflammation	Moderate
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-9]		
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLs = 5-7]		
* Thymus		Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 961

TRT#: 4

SEX: Male

DAY ON TEST: 663

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * 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, Sciatic | * Prostate |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|--|-----------------------|---------------------|
| * Bone Marrow | | Atrophy | Moderate |
| * Epididymis | | Hypospermia | Marked |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | Atrium | Leukemia Mononuclear | |
| | [Thrombosis TGLs = 12-2] | Thrombosis | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 10,11-3A+3] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | Lumbar | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 5-17] | | |
| | [Leukemia Mononuclear TGLs = 9-17A] | | |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Mild |
| | | Infiltration Cellular | Plasma Cell, Mild |
| | [Hyperplasia TGLs = 2-10+10A] | | |
| | [Infiltration Cellular TGLs = 2-10+10A] | | |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Nose | | Inflammation | Mild |
| * Pancreas | | Polyarteritis | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 961

TRT#: 4

SEX: Male

DAY ON TEST: 663

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700961

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Moderate
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Seminal Vesicle		Atrophy	Mild
	[Atrophy TGLs = 8-7A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Infarct	
		Leukemia Mononuclear	
	[Infarct TGLs = 4-9A]		
	[Leukemia Mononuclear TGLs = 3-9A]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	[Adenoma TGLs = 6,13-7B+7]		
	[Atrophy TGLs = 7-7]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Heart Atrium Thrombosis

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 962

TRT#: 4

SEX: Male

DAY ON TEST: 718

DOSE: 0.0875 ACRYL

DISP: Natural Death

HISTO: 021500700962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Focal, Mild
* Brain, Brain Stem	Hypothalamus	Compression	Mild
Note: TGL 6 also located on slide 1 with the routine Brain stem section [Compression TGLs = 6-1+1A]			
* Epididymis		Exfoliated Germ Cell	Moderate
		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Mammary Gland	Alveolus	Hyperplasia	Moderate
		Lactation	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 5-9A]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLs = 7-2A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 962

TRT#: 4

SEX: Male

DAY ON TEST: 718

DOSE: 0.0875 ACRYL

DISP: Natural Death

HISTO: 021500700962

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
	[Adenoma TGLs = 2,3-7B+7]		
	[Atrophy TGLs = 4-7]		
* Thymus		Atrophy	Mild
* Urinary Bladder		Dilatation	Moderate
	[Dilatation TGLs = 1-8]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 971

TRT#: 4

SEX: Male

DAY ON TEST: 515

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Mild
Note: TGL 3 - NCL			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 4-9A]			
* Preputial Gland		Carcinoma	
		Inflammation	Moderate
[Carcinoma TGLs = 1-7C]			
[Inflammation TGLs = 2-7B]			
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 971

TRT#: 4

SEX: Male

DAY ON TEST: 515

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700971

ORGAN AND ACCOUNTABLE SITE STATUS

Note: WT attempted

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 972

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Epididymis		Hypospermia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Hepatocyte	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Hyperplasia TGLs = 7,8,9-3A+3B+3C]		
	[Leukemia Mononuclear TGLs = 6-3+3A+3B+3C]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland	Alveolus	Hyperplasia	Minimal
		Lactation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Marked
	[Inflammation TGLs = 1-7]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Infarct	
		Leukemia Mononuclear	
	[Infarct TGLs = 5-9A]		
	[Leukemia Mononuclear TGLs = 4-9A]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 972

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700972

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Interstit Cell

Adenoma

Mild

Interstit Cell

Hyperplasia

[Adenoma TGLs = 2-7B]

[Hyperplasia TGLs = 3-7B]

* Thymus

Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 981

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Epididymis | * Esophagus |
| * Eye | * 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 |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Thoracic | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-----------------------|-----------------------------|-----------------------|---------------------|
| * Adrenal Cortex | | Hyperplasia | Focal, Mild |
| * Adrenal Medulla | | Hyperplasia | Focal, Moderate |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Islets, Pancreatic | | Adenoma | |
| * Kidney | | Nephropathy | Marked |
| | [Nephropathy TGLs = 5-8] | | |
| * Liver | Bile Duct | Hyperplasia | Mild |
| * Mammary Gland | | Lactation | Mild |
| * Pancreas | | Infiltration Cellular | Lymphocyte, Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 4-9A] | | |
| * Preputial Gland | Duct | Ectasia | Moderate |
| | | Inflammation | Moderate |
| | [Ectasia TGLs = 1-7] | | |
| | [Inflammation TGLs = 1-7] | | |
| * Prostate | | Inflammation | Mild |
| * Spinal Cord, Lumbar | Nerve | Degeneration | Minimal |
| * Stom Gland | | | |
| | Note: TGL 6 - NCL | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 981

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700981

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Atrophy	Mild
* Thyroid GI			
Note: TGL 2 - NCL			
Note: TGL 3 - NCL			

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 982

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* 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
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Brain, Brain Stem	Hypothalamus	Compression	Mild
[Compression TGLs = 5-1A]			
* Brain, Cerebrum	Ventricle	Dilatation	Mild
* Epididymis		Hypospermia	Marked
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
* Liver		Degeneration	Cystic, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Degeneration	Cystic, Marked
		Infiltration Cellular	Plasma Cell, Mild
Note: TGL 1 was written up as bilateral but one slide was Degeneration and the other side was Infiltration cellular			
		[Degeneration TGLs = 1-10A]	
		[Infiltration Cellular TGLs = 1-10]	
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Pancreas	Acinar Cell	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 4-9A]			
* Preputial Gland		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 982

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700982

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	[Adenoma TGLs = 2-7B]		
	[Atrophy TGLs = 3-7B]		
* Thymus		Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 991

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Spleen	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Bone, Femur		Fibrous Osteodystrophy	Moderate
* Epididymis		Hypospermia	Marked
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Int Sm Duoden			
Note: TGL 6 - NCL			
* Kidney		Nephropathy	Marked
[Nephropathy TGLs = 3-8]			
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Seminal Vesicle		Atrophy	Moderate
[Atrophy TGLs = 7-7A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Stomach, Forestomach		Hyperplasia	Mild
		Inflammation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 991

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700991

ORGAN AND ACCOUNTABLE SITE STATUS

		Ulcer	Moderate
[Inflammation TGLs = 5-12A]			
[Ulcer TGLs = 5-12A]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
[Adenoma TGLs = 2-7]			
[Atrophy TGLs = 1-7]			
* Thymus		Atrophy	Mild
Zymbal's Gland		Adenoma	
[Adenoma TGLs = 4-17]			

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 992

TRT#: 4

SEX: Male

DAY ON TEST: 467

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Epididymis | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Mammary Gland | * Nose |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--------------------------|--|----------------------------|----------------|
| * Kidney | | Nephropathy | Mild |
| * Liver | | Hepatodiaphragmatic Nodule | |
| | | Vacuolization Cytoplasmic | Moderate |
| | [Hepatodiaphragmatic Nodule TGLs = 2-3A] | | |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Pancreas | Acinar Cell | Atrophy | Minimal |
| * Preputial Gland | | Inflammation | Moderate |
| | [Inflammation TGLs = 1-7B] | | |
| * Prostate | | Inflammation | Mild |
| * Skin | | Cyst Epithelial Inclusion | |
| | [Cyst Epithelial Inclusion TGLs = 3-2A] | | |
| * Thymus | | Atrophy | Mild |

PRIMARY CAUSE OF DEATH - Skin Cyst Epithelial Inclusion

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1001

TRT#: 4

SEX: Male

DAY ON TEST: 239

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Blood Vessel

Note: Located on slide 2A

* Heart

Cardiomyopathy

Mild

* Lung

Inflammation

Mild

* Thymus

Lymphoma Malignant

[Lymphoma Malignant TGLs = 1-10A]

PRIMARY CAUSE OF DEATH

- Thymus Lymphoma Malignant

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1002

TRT#: 4

SEX: Male

DAY ON TEST: 564

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701002

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Peripheral Nerve, Sciatic | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------------------------|---------------|----------------------|------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Epididymis | | Exfoliated Germ Cell | Moderate |
| | | Hypospermia | Mild |
| * Harderian GI | | | |
| Note: TGL 7 - NCL | | | |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Kidney | | Hydronephrosis | Mild |
| | | Nephropathy | Minimal |
| [Hydronephrosis TGLs = 3-8] | | | |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 6-3] | | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Degeneration | Cystic, Moderate |
| [Degeneration TGLs = 1-10+10A] | | | |
| * Parathyroid Gland | | Cyst | |
| [Cyst TGLs = 9-6] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLs = 8-9A] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1002

TRT#: 4

SEX: Male

DAY ON TEST: 564

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701002

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Inflammation	Minimal
* Prostate	Inflammation	Mild
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 2-9]		
* Stomach, Glandular	Inflammation	Mild
[Inflammation TGLs = 10-12A]		
* Testes	Interstit Cell	
	Seminif Tub	
[Adenoma TGLs = 5-7B]	Adenoma	
[Atrophy TGLs = 4-7B+7C]	Atrophy	Moderate
* Thymus	Atrophy	Mild
* Thyroid GI		

Note: TGL 9 - Noted grossly as Thyroid gland was Parathyroid gland

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1061

TRT#: 4

SEX: Male

DAY ON TEST: 626

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Prostate | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--------------------------|--|---------------------------|--------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Cerebellum | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 9-1] | | |
| * Brain, Cerebrum | | Leukemia Mononuclear | |
| | Note: TGL 9 - Noted grossly as Brain, cerebrum was Brain, cerebellum | | |
| * Epididymis | | Exfoliated Germ Cell | Marked |
| | | Hypospermia | Marked |
| * Heart | | Leukemia Mononuclear | |
| | Atrium | Thrombosis | |
| | [Thrombosis TGLs = 7-2] | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 6-3] | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 1-10+10A] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Mammary GI | | | |
| | Note: RC attempted | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1061

TRT#: 4

SEX: Male

DAY ON TEST: 626

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701061

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Minimal
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 8-9]		
* Preputial Gland		Inflammation	Mild
* Seminal Vesicle		Atrophy	Mild
	[Atrophy TGLs = 5-7A]		
* Spinal Cord, Lumbar		Gliosis	Focal, Minimal
* Spleen		Infarct	
		Leukemia Mononuclear	
	[Infarct TGLs = 3-9A]		
	[Leukemia Mononuclear TGLs = 2-9A]		
* Stomach, Glandular		Erosion	Mild
	[Erosion TGLs = 10-12A]		
* Testes	Seminif Tub	Atrophy	Marked
	[Atrophy TGLs = 4-7]		
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1062

TRT#: 4

SEX: Male

DAY ON TEST: 557

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|---------------------------|-----------------------------|----------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Pituitary Gland | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--------------------------|---------------------------------------|------------------------|--------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Brain, Cerebrum | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 13-1] | | |
| * Epididymis | | Hypospermia | Marked |
| | | Mesothelioma Malignant | |
| * Heart | | Leukemia Mononuclear | |
| | Atrium | Thrombosis | |
| | [Thrombosis TGLs = 12-2] | | |
| * Intestine Large, Cecum | | Leukemia Mononuclear | |
| * Intestine Small, Ileum | | Leukemia Mononuclear | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 7-3] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| | Note: Located on slide 10 | | |
| | [Leukemia Mononuclear TGLs = 11-10] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1062

TRT#: 4

SEX: Male

DAY ON TEST: 557

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701062

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 3-10+10A]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 9-11]			
* Mammary GI			
Note: RC attempted			
* Pituitary GI			
Note: TGL 8 - NCL			
* Preputial Gland		Carcinoma	
		Inflammation	Moderate
[Carcinoma TGLs = 1-7]			
[Inflammation TGLs = 2-7]			
* Prostate		Inflammation	Mild
* Skin	Sebaceous GI	Adenoma	
[Adenoma TGLs = 10-2A]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 5,6-9]			
* Testes	Seminif Tub	Atrophy	Marked
		Mesothelioma Malignant	
		Mineralization	Mild
[Mesothelioma Malignant TGLs = 4-7B]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1071

TRT#: 4

SEX: Male

DAY ON TEST: 711

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Cerebellum | * Brain, Cerebrum | Ear |
| * Esophagus | * Eye | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Parathyroid Gland |
| * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---|---------------|-------------------------------|-----------------------|
| * Brain, Brain Stem | Hypothalamus | Compression | Mild |
| [Compression TGLs = 7-1A] | | | |
| Ear | | | |
| Note: TGL 5 - Noted grossly as Ear was Skin | | | |
| * Epididymis | | Exfoliated Germ Cell | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | Bile Duct | Hyperplasia | Mild |
| * Lymph Node, Mandibular | | Degeneration | Cystic, Moderate |
| | | Infiltration Cellular | Plasma Cell, Moderate |
| [Degeneration TGLs = 2-10+10A] | | | |
| [Infiltration Cellular TGLs = 2-10+10A] | | | |
| * Pancreas | Acinar Cell | Atrophy | Minimal |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLs = 6-9A] | | | |
| * Preputial Gland | | Inflammation | Moderate |
| [Inflammation TGLs = 1-7] | | | |
| * Prostate | | Inflammation | Moderate |
| * Skin | Ear | Neural Crest Tumor, Malignant | |
| [Neural Crest Tumor, Malignant TGLs = 5-17] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1071

TRT#: 4

SEX: Male

DAY ON TEST: 711

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701071

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 3,4-7B+7C]			
* Thymus		Atrophy	Moderate
* Thyroid GI			
Note: TGL 8 - NCL			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH - Skin Ear Neural Crest Tumor, Malignant

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1072

TRT#: 4

SEX: Male

DAY ON TEST: 509

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mesenteric | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Preputial Gland |
| * Prostate | * Salivary Glands | * Skeletal Muscle | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Stomach, Glandular | * Trachea | * Urinary Bladder |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--------------------------|--------------------------------------|---------------------------|-------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Bone Marrow | | Hyperplasia | Mild |
| * Epididymis | | Exfoliated Germ Cell | Moderate |
| | | Hypospermia | Marked |
| | [Hypospermia TGLs = 4-7A] | | |
| * Heart | | Cardiomyopathy | Minimal |
| | Note: TGL 8 - NCL | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 6-3] | | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 7-4] | | |
| | Lymph Node Mediastinal | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 9-17] | | |
| * Lymph Node, Mandibular | | Hemorrhage | Moderate |
| | | Infiltration Cellular | Plasma Cell, Mild |
| * Mammary GI | | | |
| | Note: RC attempted | | |
| * Nose | | Fungus | |
| | | Inflammation | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1072

TRT#: 4

SEX: Male

DAY ON TEST: 509

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701072

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
	[Decreased Secretory Fluid TGLs = 5-7A]		
* Skin		Ulcer	Marked
	[Ulcer TGLs = 1-17A]		
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-9]		
* Stomach, Forestomach		Edema	Moderate
* Testes	Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
	[Atrophy TGLs = 3-7]		
* Thymus		Atrophy	Moderate
	Note: Located on slide 17		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1081

TRT#: 4

SEX: Male

DAY ON TEST: 661

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|----------------------|--------------------------|
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Skeletal Muscle | * Skin |
| * Spinal Cord, Thoracic | * Thyroid Gland | * Trachea | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|-----------------------------|---|---------------------------|-------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | | Hyperplasia | Focal, Mild |
| * Blood Vessel | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | | Exfoliated Germ Cell | Marked |
| | | Leukemia Mononuclear | |
| * Heart | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 16-2] | | |
| * Intestine Large, Cecum | | Leukemia Mononuclear | |
| * Intestine Small, Duodenum | | Leukemia Mononuclear | |
| * Intestine Small, Ileum | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| * Liver | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 8-3+3A+3B] | | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 13-4A] | | |
| Lymph Node | Axillary | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| | Lumbar | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1081

TRT#: 4

SEX: Male

DAY ON TEST: 661

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701081

ORGAN AND ACCOUNTABLE SITE STATUS

	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 2-17]		
[Leukemia Mononuclear	TGLs = 5-17A]		
[Leukemia Mononuclear	TGLs = 9-17C]		
[Leukemia Mononuclear	TGLs = 10-17D]		
[Leukemia Mononuclear	TGLs = 14-17E]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 15-11]		
* Mammary GI			
Note: RC attempted			
Mesentery	Fat	Necrosis	Moderate
[Necrosis	TGLs = 6-17B]		
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Leukemia Mononuclear	
* Prostate		Inflammation	Mild
		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 3,4-9A]		
* Stomach, Forestomach		Hyperplasia	Mild
[Hyperplasia	TGLs = 17-12A]		
* Stomach, Glandular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 18-12B]		
* Testes	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1081

TRT#: 4

SEX: Male

DAY ON TEST: 661

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701081

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLs = 7-7]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 12-10B]

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL 11 - NST (Cavity, thoracic, fluid)

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1082

TRT#: 4

SEX: Male

DAY ON TEST: 535

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLs = 3-9A]		
* Bone Marrow		Hyperplasia	Mild
* Epididymis		Exfoliated Germ Cell	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Preputial Gland		Carcinoma	
	[Carcinoma TGLs = 1-7C]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLs = 2-7B]		
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1091

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Angiectasis	Mild
		Hyperplasia	Focal, Mild
* Brain, Brain Stem	Hypothalamus	Compression	Mild
[Compression TGLs = 10-1]			
* Epididymis		Hypospermia	Marked
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLs = 9-8]			
* Liver	Bile Duct	Degeneration	Cystic, Mild
		Hyperplasia	Minimal
Note: TGL 13 - NCL			
[Degeneration TGLs = 12-3A]			
* Mammary Gland		Fibroadenoma	
		Galactocele	
	Alveolus	Hyperplasia	Minimal
		Lactation	Moderate
Note: TGL 1 - Noted grossly as Mammary gland was Skin			
[Fibroadenoma TGLs = 4-2C]			
[Galactocele TGLs = 3,4-2B+2C]			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1091

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701091

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 11-9A] * Preputial Gland		Adenoma Inflammation	Moderate
[Adenoma TGLs = 2-7] * Prostate Note: TGL 7 - NCL			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLs = 1-2A] * Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Infarct	
[Infarct TGLs = 8-9] * Testes	Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
[Adenoma TGLs = 6-7B] [Atrophy TGLs = 5-7] * Thymus		Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1092

TRT#: 4

SEX: Male

DAY ON TEST: 324

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Granuloma	Minimal
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Mild
Note: WT requested for TGL 3 located on slide 10A [Hyperplasia TGLs = 3-10A]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Pancreas			
Note: TGL 3 - Noted grossly as Pancreas was Lymph node, pancreatic			
* Preputial Gland	Duct	Ectasia	Mild
[Ectasia TGLs = 2-7]			
* Prostate			
Note: TGL 4 - NCL			
* Testes	Seminif Tub	Atrophy	Minimal
* Thymus		Atrophy	Mild
Zymbal's Gland		Carcinoma	
[Carcinoma TGLs = 1-17]			

PRIMARY CAUSE OF DEATH - Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1101

TRT#: 4

SEX: Male

DAY ON TEST: 732

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Eye	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Thyroid Gland	* Trachea		

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Malignant	
* Blood Vessel		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Hypospermia	Marked
* Harderian Gland		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum		Leukemia Mononuclear	
* Kidney		Hydronephrosis	Mild
		Leukemia Mononuclear	
		Nephropathy	Moderate
	[Hydronephrosis TGLs = 11-8]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 9,10-3+3A]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 12,13-4A+4B]		
* Lym Node Mesen			
	Note: No RC per pathologist		
	Note: TGL 19 - Noted grossly as Lymph node, Mesenteric was Mesentery		
Lymph Node	Axillary	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1101

TRT#: 4

SEX: Male

DAY ON TEST: 732

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701101

ORGAN AND ACCOUNTABLE SITE STATUS

	Pancreatic	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Popliteal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-17]		
	[Leukemia Mononuclear TGLs = 8-17A]		
	[Leukemia Mononuclear TGLs = 14-17B]		
	[Leukemia Mononuclear TGLs = 15-17C]		
	[Leukemia Mononuclear TGLs = 16-17D]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-10+10A]		
* Mammary Gland		Lactation	Minimal
		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Marked
	[Leukemia Mononuclear TGLs = 19-11]		
	[Necrosis TGLs = 19-11]		
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland			
Note: TGL 17 - NCL			
* Preputial Gland		Inflammation	Moderate
* Prostate		Inflammation	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Accessory Spleen	
		Infarct	
		Leukemia Mononuclear	
	[Accessory Spleen TGLs = 6-9A]		
	[Infarct TGLs = 7-9B]		
	[Leukemia Mononuclear TGLs = 5-9]		
* Stomach, Glandular		Ulcer	Mild
	[Ulcer TGLs = 18-12A]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1101

TRT#: 4

SEX: Male

DAY ON TEST: 732

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701101

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLs = 3,4-7B+7]		
* Thymus		Leukemia Mononuclear
* Urinary Bladder		Leukemia Mononuclear

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1102

TRT#: 4

SEX: Male

DAY ON TEST: 599

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Atrophy	Moderate
* Epididymis		Exfoliated Germ Cell	Moderate
		Hypospermia	Moderate
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Medulla, Pancreatic, Sinus	Dilatation	Moderate
	Pancreatic	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Dilatation TGLs = 6-17]		
	[Leukemia Mononuclear TGLs = 6-17]		
	[Leukemia Mononuclear TGLs = 8-17A]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 9-11]		
* Preputial Gland		Inflammation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1102

TRT#: 4

SEX: Male

DAY ON TEST: 599

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701102

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLs = 1-7]

* Prostate

Inflammation

Minimal

* Seminal Vesicle

Atrophy

Mild

[Atrophy TGLs = 4-7A]

* Spinal Cord, Cervical

Axon

Degeneration

Minimal

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 5-9]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLs = 2,3-7+7B]

* Thymus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1161

TRT#: 5

SEX: Male

DAY ON TEST: 710

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500701161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Prostate
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Hypospermia	Marked
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart	Atrium	Thrombosis	
	[Thrombosis TGLs = 14-2]		
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8,10-3]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 13-4]		
Lymph Node	Renal	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-17]		
	[Leukemia Mononuclear TGLs = 11-17A]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 9-11]		
* Mammary Gland	Alveolus	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1161

TRT#: 5

SEX: Male

DAY ON TEST: 710

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500701161

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Lactation	Minimal
* Seminal Vesicle		Inflammation	Mild
	[Atrophy TGLs = 6-7A]	Atrophy	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	[Adenoma TGLs = 4,5-7+7B]		
	[Atrophy TGLs = 3-7+7B]		
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL 12 - NST (Cavity, thoracic, fluid)

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1162

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500701162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Focal, Mild
* Epididymis	Mesothelium	Hyperplasia	Minimal
		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Hydronephrosis	Mild
		Nephropathy	Marked
	[Hydronephrosis TGLs = 6-8]		
* Liver	Bile Duct	Hyperplasia	Mild
* Lung	Alveolus	Granuloma	Mild
		Infiltration Cellular	Histiocyte, Mild
	[Granuloma TGLs = 7-4A]		
	[Infiltration Cellular TGLs = 7-4A]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-2A]		
* Preputial Gland		Inflammation	Minimal
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4,5-9]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1162

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500701162

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLs = 2,3-7B]

* Thymus

Atrophy

Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1171

TRT#: 5

SEX: Male

DAY ON TEST: 396

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500701171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Epididymis |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Thoracic | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--------------------------|---|----------------------|--------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain, Brain Stem | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 4-1] | | |
| * Brain, Cerebellum | | Leukemia Mononuclear | |
| | Note: TGL 4 - Noted grossly as Brain, cerebellum was also Brain, brain stem | | |
| | [Leukemia Mononuclear TGLs = 4-1] | | |
| * Brain, Cerebrum | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 3-1] | | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 2,5-3+3A] | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Moderate |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Moderate |
| * Preputial Gland | | Inflammation | Mild |
| * Spinal Cord, Lumbar | | Leukemia Mononuclear | |
| * Spleen | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 1-9A] | | |
| * Stom Gland | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1171

TRT#: 5

SEX: Male

DAY ON TEST: 396

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500701171

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 6 - NCL

* Testes

Interstit Cell

Hyperplasia

Mild

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Liver Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1172

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500701172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
[Hypertrophy TGLs = 4-9]			
* Adrenal Medulla		Leukemia Mononuclear	
* Epididymis		Hypospermia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLs = 14-8]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 6-3]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 3-17]			
[Leukemia Mononuclear TGLs = 7-17A]			
[Leukemia Mononuclear TGLs = 8-17B]			
[Leukemia Mononuclear TGLs = 11-17C]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 12-10+10A]			
* Lymph Node, Mesenteric	Medulla, Sinus	Dilatation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1172

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500701172

ORGAN AND ACCOUNTABLE SITE STATUS

[Dilatation TGLs = 10-11]			
* Mammary Gland	Alveolus	Hyperplasia	Minimal
		Lactation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 9-9]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLs = 1-7]			
* Prostate		Inflammation	Mild
* Spinal Cord, Cervical	Nerve	Degeneration	Minimal
* Spleen		Infarct	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 2,13-9A]			
* Stomach, Glandular		Edema	Moderate
[Edema TGLs = 15-12A]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 5-7]			
* Thymus		Leukemia Mononuclear	

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1181

TRT#: 5

SEX: Male

DAY ON TEST: 691

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500701181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Spinal Cord, Cervical	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Epididymis		Exfoliated Germ Cell	Marked
		Hypospermia	Marked
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
	[Cardiomyopathy TGLs = 9-2B]		
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLs = 7-8]		
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lymph Node	Lumbar	Degeneration	Cystic, Mild
	Axillary	Hyperplasia	Lymphoid, Moderate
	Inguinal	Hyperplasia	Lymphoid, Moderate
	Lumbar	Hyperplasia	Lymphoid, Moderate
	[Degeneration TGLs = 10-17C]		
	[Hyperplasia TGLs = 1-17]		
	[Hyperplasia TGLs = 2-17A]		
	[Hyperplasia TGLs = 10-17C]		
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1181

TRT#: 5

SEX: Male

DAY ON TEST: 691

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500701181

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary GI

Note: TGL 3 - Noted grossly as Mammary gland was Skin

* Preputial Gland

Carcinoma

[Carcinoma TGLs = 4-7B]

* Skin

Subcut Tiss

Lipoma

[Lipoma TGLs = 3-2A]

* Spinal Cord, Lumbar

Axon

Degeneration

Minimal

* Spinal Cord, Thoracic

Axon

Degeneration

Minimal

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 6-9]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLs = 5,11-7+7C]

* Thymus

Note: WT attempted

Tongue

Squamous Cell Papilloma

[Squamous Cell Papilloma TGLs = 8-17B]

PRIMARY CAUSE OF DEATH - Preputial Gland Carcinoma

Animal Note: TGL 8 - Noted grossly as Cavity, oral was Tongue

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1182

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500701182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Epididymis		Hypospermia	Marked
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
		Schwannoma Malignant	
* Kidney		Nephropathy	Moderate
* Liver	Right Lat Lobe	Developmental Malformation	
	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
	[Developmental Malformation TGLs = 6-3A]		
* Pancreas	Acinar Cell	Atrophy	Moderate
* Pituitary Gland		Angiectasis	Minimal
Note: TGL 7 - NCL			
* Preputial Gland		Inflammation	Mild
	[Inflammation TGLs = 1-7]		
* Prostate		Inflammation	Mild
* Sem Ves			
Note: TGL 4 - NCL			
* Spinal Cord, Lumbar		Cyst	
	Nerve	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1182

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500701182

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 5-9]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLs = 2,3,8-7B+7]

* Thymus

Atrophy

Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1191

TRT#: 5

SEX: Male

DAY ON TEST: 533

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500701191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Rectum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Salivary Glands	* Skin
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

MISSING

* Prostate

OBSERVATIONS

* Adrenal Cortex		Mesothelioma Malignant	
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Mesothelioma Malignant	
* Intestine Large, Colon		Mesothelioma Malignant	
* Intestine Small, Duodenum		Mesothelioma Malignant	
* Intestine Small, Ileum		Mesothelioma Malignant	
* Intestine Small, Jejunum		Mesothelioma Malignant	
* Kidney		Mesothelioma Malignant	
		Nephropathy	Mild
	[Mesothelioma Malignant TGLs = 6-8]		
* Liver	Bile Duct	Hyperplasia	Mild
		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLs = 9-3B]		
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
	Axillary	Hyperplasia	Lymphoid, Mild
	[Hyperplasia TGLs = 11-17A]		
	[Hyperplasia TGLs = 10-17]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1191

TRT#: 5

SEX: Male

DAY ON TEST: 533

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500701191

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 2-10A]
 * Lymph Node, Mesenteric Mesothelioma Malignant
 Mesentery Mesothelioma Malignant
 [Mesothelioma Malignant TGLs = 7-10]
 * Pancreas
 Note: TGL 7 - Noted grossly as Pancreas was Mesentery
 Note: Located on slide 12
 * Preputial Gland Inflammation Minimal
 * Prostate
 Note: WT attempted
 * Seminal Vesicle Mesothelioma Malignant
 [Mesothelioma Malignant TGLs = 5-7A]
 * Skeletal Muscle Mesothelioma Malignant
 Note: Skeletal muscle from leg is normal.
 [Mesothelioma Malignant TGLs = 12-17B]
 * Spinal Cord, Cervical Axon Degeneration Minimal
 * Spleen Mesothelioma Malignant
 [Mesothelioma Malignant TGLs = 8-9A]
 * Testes Interstit Cell
 Adenoma
 Mesothelioma Malignant
 [Adenoma TGLs = 4-7B]
 [Mesothelioma Malignant TGLs = 3-7B]
 * Thymus Atrophy Moderate
 Urethra
 Note: TGL 12 - Noted grossly as Urethra, bulbourethral gland was Skeletal muscle
 * Urinary Bladder Mesothelioma Malignant

PRIMARY CAUSE OF DEATH - Mesentery Mesothelioma Malignant

Animal Note: TGL 1 - NST (Cavity, abdominal, fluid)

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1192

TRT#: 5

SEX: Male

DAY ON TEST: 557

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500701192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Epididymis |
| * 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 | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle | * Skin |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|-----------------------------|--|----------------------------|-------------------|
| * Adrenal Cortex | | Hypertrophy | Focal, Marked |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | Left Lat Lobe | Developmental Malformation | |
| | | Granuloma | Mild |
| | [Developmental Malformation TGLs = 2-3A] | | |
| * Lymph Node, Mandibular | | Degeneration | Cystic, Mild |
| | | Infiltration Cellular | Plasma Cell, Mild |
| * Mammary Gland | | | |
| | Note: RC attempted | | |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Preputial Gland | | Inflammation | Mild |
| | [Inflammation TGLs = 1-7B] | | |
| * Spinal Cord, Cervical | Axon | Degeneration | Minimal |
| * Thymus | | Atrophy | Mild |

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1211

TRT#: 3

SEX: Male

DAY ON TEST: 712

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Esophagus	* Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Preputial Gland
* Prostate	* Salivary Glands	* Skeletal Muscle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLs = 6-9]		
* Brain, Cerebellum		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 16-1]		
* Brain, Cerebrum		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 17-1A]		
* Epididymis		Exfoliated Germ Cell Hypospermia	Mild Marked
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart	Atrium	Thrombosis	
	[Thrombosis TGLs = 15-2]		
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
	Note: TGL 7 - NCL		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8,9,10,11,12,13,14-3+3A+3B+3C+3D+3E+3F]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 19-4A]		
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-17]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1211

TRT#: 3

SEX: Male

DAY ON TEST: 712

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701211

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 18-9]			
* Seminal Vesicle	Lumen	Distended	Moderate
[Distended TGLs = 3-7A]			
* Spinal Cord, Cervical		Leukemia Mononuclear	
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
		Leukemia Mononuclear	
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4-9]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
[Adenoma TGLs = 2-7B]			
[Atrophy TGLs = 1-7+7B]			
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1212

TRT#: 3

SEX: Male

DAY ON TEST: 578

DOSE: 0.175 ACRYL

DISP: Natural Death

HISTO: 021500701212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Intestine Large, Cecum | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

AUTO PRECLUDES DIAG.

- | | |
|--------------------------|----------------------------|
| * Intestine Large, Colon | * Intestine Small, Jejunum |
|--------------------------|----------------------------|

OBSERVATIONS

- | | | | |
|----------------------|---|---------------------------|---------------------|
| * Epididymis | | Exfoliated Germ Cell | Mild |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Vacuolization Cytoplasmic | Mild |
| * Pituitary Gland | | Thrombosis | Marked |
| | [Thrombosis TGLs = 6-9] | | |
| * Preputial Gland | Duct | Ectasia | Mild |
| * Prostate | | Inflammation | Mild |
| | Note: Normal Prostate gland located on slide 17. | | |
| * Sem Ves | | | |
| | Note: TGL 5 - NST (Seminal vesicle, discoloration; not found at trim) | | |
| * Skin | Epidermis | Hyperplasia | Mild |
| | [Hyperplasia TGLs = 1-2A] | | |
| * Stomach, Glandular | | Inflammation | Mild |
| | [Inflammation TGLs = 7-12A] | | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1212

TRT#: 3

SEX: Male

DAY ON TEST: 578

DOSE: 0.175 ACRYL

DISP: Natural Death

HISTO: 021500701212

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 2,3-7+7B]

* Thymus

Atrophy

Mild

Urethra

Bulboureth GI

Dilatation

Mild

Note: WT requested for TGL 4 located on slide 17A

[Dilatation TGLs = 4-17A]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Thrombosis

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1221

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Prostate	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Epididymis		Hypospermia	Marked
* Eye	Retina	Degeneration	Mild
* Kidney		Cyst	
		Nephropathy	Moderate
	[Cyst TGLs = 6-8A]		
* Liver	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
	Note: TGL 8 - NCL		
* Lymph Node, Mandibular		Degeneration	Cystic, Marked
	[Degeneration TGLs = 1-10]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
	[Inflammation TGLs = 2-7]		
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
	[Decreased Secretory Fluid TGLs = 7-7A]		
* Spinal Cord, Cervical	Nerve	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1221

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701221

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
[Adenoma TGLs = 3,4-7B+7]			
[Atrophy TGLs = 5-7]			
* Thymus		Atrophy	Moderate

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1222

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mesenteric | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--------------------------|---|----------------------|-------------------|
| * Bone Marrow | | Atrophy | Marked |
| * Epididymis | | Exfoliated Germ Cell | Marked |
| | | Hypospermia | Marked |
| * Eye | Sclera | Metaplasia | Osseous, Moderate |
| * Heart | Atrium | Thrombosis | |
| | [Thrombosis TGLs = 8-2] | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | Bile Duct | Hyperplasia | Moderate |
| | [Leukemia Mononuclear TGLs = 7-3] | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Mammary Gland | | Fibroadenoma | |
| | Alveolus | Hyperplasia | Marked |
| | | Lactation | Moderate |
| | Note: TGL 1 - Noted grossly as Mammary gland was Skin | | |
| | [Fibroadenoma TGLs = 2-2B] | | |
| * Pituitary Gl | | | |
| | Note: TGL 9 - NCL | | |
| * Skin | Subcut Tiss | Fibroma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1222

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701222

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLs = 1-2A]			
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 5,6-9]			
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
[Adenoma TGLs = 3-7B]			
[Atrophy TGLs = 4-7]			
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1231

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Epididymis		Exfoliated Germ Cell	Marked
		Hypospermia	Mild
* Heart		Leukemia Mononuclear	
Note: TGL 10 - NCL			
Note: Gross observation noted as TGL 10 was post mortem blood clot.			
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLs = 11-10+10A]			
* Mammary Gland		Inflammation	Moderate
[Inflammation TGLs = 2-2A]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLs = 3-17]			
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Mild
[Ectasia TGLs = 1-7]			
[Inflammation TGLs = 1-7]			
* Prostate		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1231

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701231

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Basal Cell Carcinoma Keratoacanthoma	
	[Basal Cell Carcinoma TGLs = 7-2B]		
	[Keratoacanthoma TGLs = 8-2C]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 4,5,9-7+7B+7C]		
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1232

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Spinal Cord, Cervical	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Malignant TGLs = 10-9]		Pheochromocytoma Malignant	
* Brain, Brain Stem [Compression TGLs = 14-1A]	Hypothalamus	Compression	Mild
* Epididymis		Exfoliated Germ Cell	Moderate
		Hypospermia	Moderate
* Heart		Cardiomyopathy	Mild
* Int Sm Duoden Note: TGL 16 - NCL			
* Kidney Note: TGL 12 - NCL [Nephropathy TGLs = 11-8]		Nephropathy	Marked
* Liver Note: TGL 9 - NCL		Granuloma	Minimal
Lymph Node [Degeneration TGLs = 13-17A]	Renal	Degeneration	Cystic, Mild
* Lymph Node, Mandibular [Degeneration TGLs = 3-10+10A] [Hyperplasia TGLs = 3-10+10A]		Degeneration Hyperplasia	Cystic, Mild Lymphoid, Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1232

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701232

ORGAN AND ACCOUNTABLE SITE STATUS

		Lactation	Mild
Note: TGL 1 and 2 - Noted grossly as Mammary gland was Skin			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLs = 6-17]			
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 15-9A]			
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Skin	Subcut Tiss	Fibroma	
	Subcut Tiss	Lipoma	
[Fibroma TGLs = 2-2B]			
[Lipoma TGLs = 1-2A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Congestion	Moderate
		Pigmentation	Moderate
Note: TGL 7 - NCL			
[Congestion TGLs = 8-9]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
[Adenoma TGLs = 4-7]			
[Atrophy TGLs = 5-7B]			
* Thymus		Atrophy	Mild
* Thyroid GI			
Note: TGL 17 - NCL			

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1241

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Lung | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|----------------------------|--|-------------------------|-----------------------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Brain, Brain Stem | Hypothalamus | Compression | Mild |
| | [Compression TGLs = 8-1A] | | |
| * Epididymis | | Atrophy | Mild |
| | [Atrophy TGLs = 6-7A] | Hypospermia | Marked |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Intestine Small, Jejunum | Lymphoid Tiss | Hyperplasia | Mild |
| | | Inflammation | Mild |
| * Islets, Pancreatic | | Adenoma | |
| | [Adenoma TGLs = 11-17A] | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Degeneration | Cystic, Minimal |
| | Bile Duct | Hyperplasia | Minimal |
| Lymph Node | | | |
| | Note: TGL 11 - Noted grossly as Lymph node, pancreatic was Islets pancreas | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Moderate |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| | [Hyperplasia TGLs = 10-11] | | |
| * Mammary Gland | | Galactocele | |
| | Alveolus | Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1241

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701241

ORGAN AND ACCOUNTABLE SITE STATUS

	Lactation	Mild
[Galactocoele TGLs = 1,3-2A+2B]		
Mesentery Fat	Necrosis	Mild
[Necrosis TGLs = 7-17]		
* Nose	Inflammation	Mild
* Pituitary Gland Pars Distalis	Adenoma	
[Adenoma TGLs = 9-9]		
* Preputial Gland Duct	Ectasia	Moderate
	Inflammation	Moderate
[Ectasia TGLs = 2-7]		
[Inflammation TGLs = 2-7]		
* Prostate	Inflammation	Moderate
* Seminal Vesicle	Atrophy	Mild
* Spinal Cord, Cervical Axon	Degeneration	Minimal
	Nerve	Degeneration
		Minimal
* Spinal Cord, Lumbar Nerve	Degeneration	Minimal
* Testes Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 4,5-7+7B]		
* Thymus	Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1242

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Prostate	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Vacuolization Cytoplasmic	Mild
* Epididymis		Hypospermia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Moderate
Mesentery	Fat	Necrosis	Mild
		Polyarteritis	Mild
			[Necrosis TGLs = 4-17]
			[Polyarteritis TGLs = 4-17]
* Pituitary Gl			
Note: WT attempted			
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Moderate
			[Ectasia TGLs = 1-7]
			[Inflammation TGLs = 1-7]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1242

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701242

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Atrophy	Mild
[Atrophy TGLs = 5-7A]			
* Spleen	Red Pulp	Atrophy	Mild
		Leukemia Mononuclear	
[Atrophy TGLs = 7-9]			
[Leukemia Mononuclear TGLs = 6-9]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 2,3-7+7B]			
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLs = 8-6]			

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1251

TRT#: 3

SEX: Male

DAY ON TEST: 537

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|-----------------------------|---------------------------|-----------------------------|
| * Blood Vessel | * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |

MISSING

- | | |
|-------------------|----------|
| * Adrenal Medulla | * Thymus |
|-------------------|----------|

OBSERVATIONS

- | | | | |
|-----------------------------|----------------|---------------------------|----------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Adren Medulla | | | |
| Note: No RC per pathologist | | | |
| * Bone Marrow | | Atrophy | Mild |
| * Epididymis | | Exfoliated Germ Cell | Mild |
| * Heart | | Schwannoma Malignant | |
| Note: TGL 10 - NCL | | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Leukemia Mononuclear | |
| [Leukemia Mononuclear | TGLs = 6-3] | | |
| * Lung | | Leukemia Mononuclear | |
| [Leukemia Mononuclear | TGLs = 9-4] | | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| [Leukemia Mononuclear | TGLs = 5-17] | | |
| [Leukemia Mononuclear | TGLs = 8-17A] | | |
| * Pituitary Gland | Pars Distalis | Cyst | |
| [Cyst | TGLs = 12-9] | | |
| * Preputial Gland | | Inflammation | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1251

TRT#: 3

SEX: Male

DAY ON TEST: 537

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701251

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLs = 1-7B]
* Skin Subcut Tiss Fibroma
[Fibroma TGLs = 11-2B]
* Spinal Cord, Thoracic Axon Degeneration Minimal
* Spleen Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 4-9A]
* Testes Interstit Cell Adenoma
Note: TGL 2 - NCL
[Adenoma TGLs = 3-7C]
* Thymus
Note: WT attempted
* Thyroid Gland Follicular Cel Carcinoma
[Carcinoma TGLs = 7-6]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1252

TRT#: 3

SEX: Male

DAY ON TEST: 673

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---------------------|--|---------------------------|-------------|
| * Adrenal Cortex | | Hypertrophy | Focal, Mild |
| * Brain, Brain Stem | Hypothalamus | Compression | Moderate |
| | [Compression TGLs = 7-1A] | | |
| * Epididymis | | Atrophy | Mild |
| | | Exfoliated Germ Cell | Mild |
| | | Hypospermia | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Int Sm Duoden | | | |
| | Note: TGL 8 - NCL | | |
| * Kidney | | Nephropathy | Marked |
| | [Nephropathy TGLs = 3-8] | | |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Vacuolization Cytoplasmic | Marked |
| | [Hyperplasia TGLs = 4-3] | | |
| | [Vacuolization Cytoplasmic TGLs = 4-3] | | |
| * Lung | Alveolar Epith | Hyperplasia | Mild |
| | | Inflammation | Mild |
| * Mammary Gland | | Lactation | Minimal |
| * Nose | | Inflammation | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 6-9A] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1252

TRT#: 3

SEX: Male

DAY ON TEST: 673

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701252

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Duct	Ectasia Inflammation	Moderate Moderate
[Ectasia TGLs = 1-7] [Inflammation TGLs = 1-7]			
* Prostate		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Mild
* Skin		Papilloma	
[Papilloma TGLs = 5-2A]			
* Spleen		Pigmentation	Mild
* Stomach, Forestomach		Inflammation Ulcer	Marked Marked
[Inflammation TGLs = 9-12A] [Ulcer TGLs = 9-12A]			
* Stom Gland			
Note: TGL 10 - NCL			
* Testes	Seminif Tub	Atrophy	Marked
[Atrophy TGLs = 2-7]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Stomach, Forestomach Ulcer

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1311

TRT#: 2

SEX: Male

DAY ON TEST: 711

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Epididymis		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	
	[Thrombosis TGLs = 4-2B]		
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	Multiple
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Mild
Oral Mucosa		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 5-17]		
* Pancreas		Polyarteritis	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Preputial Gland		Inflammation	Marked
* Prostate		Inflammation	Minimal
* Seminal Vesicle		Atrophy	Mild
	[Atrophy TGLs = 3-7A]		
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLs = 1-2A]		
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1311

TRT#: 2

SEX: Male

DAY ON TEST: 711

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701311

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 2,6-7B+7]			
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Carcinoma	

PRIMARY CAUSE OF DEATH - Skin Keratoacanthoma

Animal Note: TGL 5 - Noted grossly as Cavity, oral was Oral mucosa

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1312

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Epididymis		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	
	[Thrombosis TGLs = 5-2]		
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Angiectasis	Moderate
		Degeneration	Cystic, Moderate
		Eosinophilic Focus	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Degeneration TGLs = 1-10]	Degeneration	Cystic, Mild
* Lymph Node, Mesenteric		Degeneration	Cystic, Mild
* Pancreas	Acinar Cell	Atrophy	Minimal
* Preputial Gland		Inflammation	Moderate
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1312

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701312

ORGAN AND ACCOUNTABLE SITE STATUS

	[Leukemia Mononuclear TGLs = 4-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2,3-7+7B]		
* Thymus		Atrophy	Mild
		Cyst	

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1321

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-----------------------------|--|---------------------------|------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Brain, Brain Stem | Hypothalamus | Compression | Mild |
| | [Compression TGLs = 12-1A] | | |
| * Brain, Cerebrum | Ventricle | Dilatation | Mild |
| * Epididymis | | Exfoliated Germ Cell | Moderate |
| | | Hypospermia | Mild |
| * Heart | | Cardiomyopathy | Mild |
| | Atrium | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 11-2] | Thrombosis | |
| | [Thrombosis TGLs = 10-2] | | |
| * Kidney | | Nephropathy | Marked |
| | [Nephropathy TGLs = 8-8] | | |
| * Liver | | Leukemia Mononuclear | |
| Lymph Node | Renal | Degeneration | Cystic, Moderate |
| | [Degeneration TGLs = 9-17] | | |
| * Mammary Gland | | Galactocele | |
| | | Lactation | Mild |
| | [Galactocele TGLs = 1,2,3,4-2A+2B+2C+2D] | | |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1321

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701321

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLs = 13-9A]	Pars Distalis	Adenoma	
* Preputial Gland	Duct Glandular	Ectasia Hyperplasia Inflammation Squamous Cell Papilloma	Moderate Mild Moderate
* Prostate		Inflammation	Mild
* Spleen [Leukemia Mononuclear TGLs = 7-9]		Leukemia Mononuclear	
* Stom Gland Note: TGL 14 - NCL Note: TGL 15 - NCL Note: TGL 16 - NCL Note: TGL 17 - NCL			
* Testes [Adenoma TGLs = 5,6-7B]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1322

TRT#: 2

SEX: Male

DAY ON TEST: 578

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701322

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* 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	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Eye		Phthisis Bulbi	
	[Phthisis Bulbi TGLs = 5-13]		
* Harderian Gland		Adenocarcinoma	
	[Adenocarcinoma TGLs = 4-13A]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Vacuolization Cytoplasmic	Moderate
	Note: TGL 7 - NCL		
	Note: TGL 8 - NCL		
* Lung			
	Note: TGL 9 - NCL		
* Lymph Node, Mandibular		Adenocarcinoma	Metastatic (Harderian Gland)
		Infiltration Cellular	Plasma Cell, Moderate
	Note: TGL 2 was written up as bilateral but one side was Adenocarcinoma and the other side was Infiltration cellular		
	[Adenocarcinoma TGLs = 2-10]		
	[Infiltration Cellular TGLs = 2-10A]		
* Mammary Gland	Alveolus	Hyperplasia	Minimal
		Lactation	Minimal
* Pituitary GI			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1322

TRT#: 2

SEX: Male

DAY ON TEST: 578

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701322

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 6 - NCL

* Preputial Gland	Duct	Ectasia Inflammation	Moderate Mild
[Ectasia TGLs = 1-7B]			
* Prostate		Inflammation	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Infarct	
[Infarct TGLs = 3-9]			
* Testes	Interstit Cell	Adenoma	
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Harderian Gland Adenocarcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1331

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Malignant TGLs = 8-9]		Pheochromocytoma Malignant	
* Brain, Brain Stem [Compression TGLs = 10-1]	Hypothalamus	Compression	Moderate
* Epididymis		Hypospermia	Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum	Lymphoid Tiss	Hyperplasia	Mild
* Intestine Large, Colon	Lymphoid Tiss	Hyperplasia	Mild
* Intestine Small, Jejunum	Lymphoid Tiss	Hyperplasia	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Multiple
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular [Hyperplasia TGLs = 2-10+10A]		Hyperplasia	Lymphoid, Moderate
* Mammary Gland		Galactocele	
		Lactation	Mild
	[Galactocele TGLs = 3,4-2A+2B]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 5-17]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 11-9A]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1331

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701331

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland [Inflammation TGLs = 1-7]		Inflammation	Moderate
* Prostate		Inflammation	Moderate
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Spleen [Atrophy TGLs = 7-9]	Red Pulp	Atrophy	Moderate
* Testes [Atrophy TGLs = 6-7]	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Marked
* Thymus		Atrophy	Moderate
* Thyroid Gland [Carcinoma TGLs = 9-6]	Follicular Cel	Carcinoma	

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1332

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain, Brain Stem [Compression TGLs = 4-1A]	Hypothalamus	Compression	Mild
* Epididymis		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum	Lymphoid Tiss	Hyperplasia	Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Moderate
* Kidney [Inflammation TGLs = 8-8A]	Cortex	Inflammation	Chronic, Mild
		Nephropathy	Moderate
* Liver [Developmental Malformation TGLs = 7-3A]	Median Lobe	Developmental Malformation	
		Eosinophilic Focus	
		Granuloma	Mild
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Lung [Inflammation TGLs = 9-4A]		Inflammation	Mild
* Mammary Gland [Galactocele TGLs = 6-2A]		Galactocele	
		Lactation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1332

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701332

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 5-9]			
* Preputial Gland	Duct	Ectasia Inflammation	Mild Minimal
[Ectasia TGLs = 1-7]			
* Prostate		Inflammation	Moderate
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen	Red Pulp	Atrophy Pigmentation	Moderate Moderate
[Atrophy TGLs = 3-9]			
[Pigmentation TGLs = 3-9]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 2-7]			
* Thymus		Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1341

TRT#: 2

SEX: Male

DAY ON TEST: 719

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Epididymis		Exfoliated Germ Cell	Marked
		Hypospermia	Marked
* Heart		Schwannoma Malignant	
	[Schwannoma Malignant TGLs = 8-2A]		
* Intestine Large, Cecum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Leukemia Mononuclear	
	Note: TGL 11 - NCL		
	[Leukemia Mononuclear TGLs = 7-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-17]		
	[Leukemia Mononuclear TGLs = 10-17A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Pancreas	Acinar Cell	Atrophy	Minimal
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Ectasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1341

TRT#: 2

SEX: Male

DAY ON TEST: 719

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701341

ORGAN AND ACCOUNTABLE SITE STATUS

Inflammation Mild

[Ectasia TGLs = 1-7]

[Inflammation TGLs = 1-7]

* Seminal Vesicle

Atrophy Mild

* Spinal Cord, Cervical

Axon

Degeneration Minimal

* Spinal Cord, Thoracic

Axon

Degeneration Minimal

* Spleen

Infarct
Leukemia Mononuclear

[Infarct TGLs = 5-9A]

[Leukemia Mononuclear TGLs = 4-9A]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLs = 2,3-7C+7B]

* Thymus

Atrophy Mild

* Thyroid Gland

Follicular Cel

Carcinoma

[Carcinoma TGLs = 9-6]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1342

TRT#: 2

SEX: Male

DAY ON TEST: 691

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|-----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Trachea | |

OBSERVATIONS

- | | | | |
|--------------------------|--|---------------------------|----------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Bone Marrow | | Lymphoma Malignant | |
| * Epididymis | | Hypospermia | Marked |
| | | Mesothelioma Malignant | |
| | [Mesothelioma Malignant TGLs = 4,15-7A+7C] | | |
| * Heart | | Cardiomyopathy | Mild |
| | | Lymphoma Malignant | |
| | Atrium | Thrombosis | |
| | [Thrombosis TGLs = 12-2] | | |
| * Intestine Large, Colon | | Lymphoma Malignant | |
| * Kidney | | Lymphoma Malignant | |
| | | Nephropathy | Mild |
| * Liver | | Hyperplasia | Mild |
| | Bile Duct | Vacuolization Cytoplasmic | Marked |
| | [Vacuolization Cytoplasmic TGLs = 7-3] | | |
| * Lung | | Lymphoma Malignant | |
| Lymph Node | Pancreatic | Lymphoma Malignant | |
| | Lumbar | Lymphoma Malignant | |
| | Renal | Lymphoma Malignant | |
| | Axillary | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLs = 5-17] | | |
| | [Lymphoma Malignant TGLs = 6-17A] | | |
| | [Lymphoma Malignant TGLs = 9-17B] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1342

TRT#: 2

SEX: Male

DAY ON TEST: 691

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701342

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant	TGLs = 10-17C]		
* Lymph Node, Mandibular		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 8-11]		
* Mammary Gland	Alveolus	Hyperplasia	Minimal
		Lactation	Minimal
* Pancreas		Lymphoma Malignant	
* Pituitary Gland		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 13-9A]		
* Preputial Gland		Inflammation	Moderate
		Lymphoma Malignant	
* Prostate		Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	
* Seminal Vesicle		Lymphoma Malignant	
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Lymphoma Malignant	
* Stomach, Forestomach		Lymphoma Malignant	
* Stomach, Glandular		Lymphoma Malignant	
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma	
		Atrophy	Marked
		Lymphoma Malignant	
		Mesothelioma Malignant	
[Adenoma	TGLs = 3,14-7B+7]		
[Atrophy	TGLs = 2-7]		
* Thymus		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 11-10]		
* Thyroid Gland		Lymphoma Malignant	
* Urinary Bladder		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH - Thymus Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1351

TRT#: 2

SEX: Male

DAY ON TEST: 579

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701351

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Pituitary Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--------------------------|--|----------------------|---------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Epididymis | | Exfoliated Germ Cell | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 7-3] | | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 10-4] | | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Axillary | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 6-17] | | |
| | [Leukemia Mononuclear TGLs = 9-17B] | | |
| | [Leukemia Mononuclear TGLs = 11-17C] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 1-10+10A] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 12-11] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1351

TRT#: 2

SEX: Male

DAY ON TEST: 579

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701351

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary GI

Note: RC attempted

Mesentery

[Leukemia Mononuclear TGLs = 8-17A]

Leukemia Mononuclear

* Preputial Gland

[Adenoma TGLs = 2-7]

Adenoma

* Spinal Cord, Lumbar

Nerve

Degeneration

Minimal

* Spinal Cord, Thoracic

Axon

Degeneration

Minimal

* Spleen

[Leukemia Mononuclear TGLs = 5-9A]

Leukemia Mononuclear

* Testes

Interstit Cell

Hyperplasia

Marked

[Hyperplasia TGLs = 3,4-7+7B]

* Thymus

Leukemia Mononuclear

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1352

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Moderate
* Brain, Brain Stem	Hypothalamus	Compression	Mild
[Compression TGLs = 6-1]			
* Brain, Cerebrum	Ventricle	Dilatation	Mild
* Epididymis		Exfoliated Germ Cell	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Leukemia Mononuclear	
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
[Degeneration TGLs = 2-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 7-9A]			
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Moderate
[Ectasia TGLs = 1-7]			
[Inflammation TGLs = 1-7]			
* Prostate		Inflammation	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1352

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701352

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 5-9]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLs = 3,4-7+7B]

* Thymus

Atrophy

Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1411

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701411

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Peripheral Nerve, Sciatic	* Prostate	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Epididymis		Exfoliated Germ Cell	Moderate
		Hypospermia	Marked
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Eosinophilic Focus	Multiple
		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
	[Eosinophilic Focus TGLs = 6-3]		
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Mild
	[Degeneration TGLs = 1-10+10A]		
	[Infiltration Cellular TGLs = 1-10+10A]		
* Parathyroid Gland		Adenoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Moderate
* Seminal Vesicle		Atrophy	Mild
	[Atrophy TGLs = 5-7A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1411

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701411

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

[Infarct TGLs = 4-9A]

Infarct

* Testes

[Adenoma TGLs = 2,3-7B]

Bilateral, Interstit Cell

Adenoma

* Thymus

Atrophy

Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1412

TRT#: 1

SEX: Male

DAY ON TEST: 718

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701412

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Stomach, Glandular	* Trachea

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8-9]		
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Malignant	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Hypospermia	Marked
* Eye	Retina	Degeneration	Mild
* Heart	Atrium	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 15-2A]		
	[Thrombosis TGLs = 14-2A]		
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
	[Leukemia Mononuclear TGLs = 9-8]		
	[Nephropathy TGLs = 9-8]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 17-3]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 16,18-4A+4]		
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1412

TRT#: 1

SEX: Male

DAY ON TEST: 718

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701412

ORGAN AND ACCOUNTABLE SITE STATUS

	Renal	Leukemia Mononuclear	
Note: WT requested for TGL 11 located on slide 17D			
	[Leukemia Mononuclear TGLs = 7-17]		
	[Leukemia Mononuclear TGLs = 10-17A]		
	[Leukemia Mononuclear TGLs = 11-17B+17D]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary GI			
Note: WT attempted			
Mesentery		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 12-17C]		
* Nose		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 19-9A]		
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Saliv Glands			
Note: Sarcoma noted in connective tissue adjacent to Salivary gland			
* Seminal Vesicle		Atrophy	Mild
		Leukemia Mononuclear	
	[Atrophy TGLs = 4-7A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
		Leukemia Mononuclear	
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Infarct	
		Leukemia Mononuclear	
	[Infarct TGLs = 6-9]		
	[Leukemia Mononuclear TGLs = 5-9]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1412

TRT#: 1

SEX: Male

DAY ON TEST: 718

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701412

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach		Edema	Marked
		Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
Note: TGL 2 also located on slide 7 with the routine Testes section [Adenoma TGLs = 2-7+7B] [Atrophy TGLs = 3-7]			
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 13-10B]		
* Thyroid Gland	Follicle	Cyst	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1421

TRT#: 1

SEX: Male

DAY ON TEST: 576

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701421

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|-----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebrum | * 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 | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--------------------------|------------------------------|-------------------------|---------------------|
| * Adrenal Medulla | Bilateral | Pheochromocytoma Benign | |
| * Brain, Cerebellum | | Astrocytoma Nos | |
| * Epididymis | | Exfoliated Germ Cell | Mild |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Granuloma | Moderate |
| | Bile Duct | Hyperplasia | Minimal |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| | [Hyperplasia TGLs = 3-9A] | | |
| * Preputial Gland | | Inflammation | Moderate |
| | [Inflammation TGLs = 1-7B] | | |
| * Prostate | | Inflammation | Mild |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 2-7C] | | |
| * Thymus | | Atrophy | Mild |
| * Thyroid Gland | C Cell | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH - Brain, Cerebellum Astrocytoma Nos

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1422

TRT#: 1

SEX: Male

DAY ON TEST: 656

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701422

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Angiectasis	Mild
Bone	Cranium	Fracture	
[Fracture TGLs = 12-17A]			
* Brain Cerebrum			
Note: TGL 13 - NST (Brain cerebrum, deformity; not found at trim)			
* Epididymis		Exfoliated Germ Cell	Moderate
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Moderate
Note: TGL 8 - NCL			
[Nephropathy TGLs = 7-8]			
Lymph Node	Renal	Degeneration	Cystic, Marked
[Degeneration TGLs = 9-17]			
* Mammary Gland		Galactocele	
		Lactation	Mild
[Galactocele TGLs = 1-2A]			
* Parathyroid GI			
Note: No RC per pathologist			
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1422

TRT#: 1

SEX: Male

DAY ON TEST: 656

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701422

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland Note: TGL 11 - NCL	Pars Distalis	Adenoma	
* Preputial Gland [Adenoma TGLs = 3-7B]		Adenoma	
* Prostate		Inflammation	Mild
* Skin [Lipoma TGLs = 2-2B]	Subcut Tiss	Lipoma	
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen Note: TGL 6 - NCL			
* Testes [Adenoma TGLs = 4-7+7C] [Atrophy TGLs = 5-7+7C]	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland [Carcinoma TGLs = 10-6]	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH - Thyroid Gland C Cell Carcinoma

Animal Note: TGL 12 - Noted grossly as Cavity, cranial was Bone cranium

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1431

TRT#: 1

SEX: Male

DAY ON TEST: 414

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701431

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Epididymis | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric |
| * Mammary Gland | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-----------------------------|---|----------------------------|---------------------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | Left Lat Lobe | Developmental Malformation | |
| | | Granuloma | Minimal |
| | | Infiltration Cellular | Lymphocyte, Minimal |
| | [Developmental Malformation TGLs = 2-3] | | |
| * Lung | | Hemorrhage | Mild |
| * Lymph Node, Mandibular | | Degeneration | Cystic, Mild |
| | [Degeneration TGLs = 1-10] | | |
| Mesentery | Fat | Necrosis | Mild |
| | [Necrosis TGLs = 3-17] | | |
| * Nose | | Inflammation | Mild |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1432

TRT#: 1

SEX: Male

DAY ON TEST: 410

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701432

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Pituitary Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---------------------------|-------------------------------------|---------------------------|---------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Bone Marrow | Myeloid Cell | Hyperplasia | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | [Leukemia Mononuclear TGLs = 2-3] | Leukemia Mononuclear | |
| * Pancreas | Acinar Cell | Atrophy | Minimal |
| * Pituitary Gland | | | |
| Note: Located on slide 17 | | | |
| * Preputial Gland | | Inflammation | Mild |
| * Spleen | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 1-9] | | |
| * Testes | Interstit Cell | Hyperplasia | Mild |
| * Thymus | | Atrophy | Mild |
| Zymbal's Gland | | Carcinoma | |
| | [Carcinoma TGLs = 3-17] | | |

PRIMARY CAUSE OF DEATH - Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1441

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Adrenal Medulla		Angiectasis	Mild
* Brain, Brain Stem	Hypothalamus	Compression	Mild
[Compression TGLs = 8-1]			
* Epididymis		Exfoliated Germ Cell	Mild
		Hypospermia	Moderate
* Eye	Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Marked
[Nephropathy TGLs = 4-8]			
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
Lymph Node	Renal	Degeneration	Cystic, Moderate
Note: TGL 3 - Noted grossly as Lymph node, pancreatic was Pancreas			
[Degeneration TGLs = 5-17A]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLs = 9-10+10A]			
* Mammary Gland		Galactocele	
	Alveolus	Hyperplasia	Mild
		Lactation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1441

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701441

ORGAN AND ACCOUNTABLE SITE STATUS

[Galactocoele TGLs = 2-2A]			
* Pancreas	Acinar Cell	Adenoma	
[Adenoma TGLs = 3-17]			
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 7-9]			
* Preputial Gland	Duct	Ectasia	Mild
[Ectasia TGLs = 1-7]			
* Prostate		Inflammation	Moderate
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Testes	Seminif Tub	Atrophy	Moderate
		Polyarteritis	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
[Adenoma TGLs = 6-6]			

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1442

TRT#: 1

SEX: Male

DAY ON TEST: 556

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis
* 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
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex [Atrophy TGLs = 2-9]		Atrophy	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Schwannoma Malignant	
* Kidney		Nephropathy	Mild
* Liver Note: TGL 4 - NCL		Granuloma	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Nose Note: TGL 5 - NCL			
* Pituitary Gland Note: No RC per pathologist; missing at trim			
* Preputial Gland		Inflammation	Moderate
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Testes [Atrophy TGLs = 1-7B]	Seminif Tub	Atrophy	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1442

TRT#: 1

SEX: Male

DAY ON TEST: 556

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701442

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 3-6]

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: TGL 5 - Noted grossly as Cavity, oral was Nose

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1451

TRT#: 1

SEX: Male

DAY ON TEST: 492

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701451

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Epididymis | * Esophagus |
| * Eye | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Liver | * Lung | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle | * Skin |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-----------------------------|-------------------------------|---------------------------|-------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Bone Marrow | | Hyperplasia | Mild |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Lymph Node, Mandibular | | Degeneration | Cystic, Moderate |
| | | Infiltration Cellular | Plasma Cell, Mild |
| | [Degeneration TGLs = 1-10A] | | |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Preputial Gland | | Carcinoma | |
| | [Carcinoma TGLs = 2-7B] | | |
| * Spinal Cord, Cervical | Axon | Degeneration | Minimal |
| * Spleen | | | |
| Note: TGL 3 - NCL | | | |
| * Thymus | | Atrophy | Moderate |

PRIMARY CAUSE OF DEATH - Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1452

TRT#: 1

SEX: Male

DAY ON TEST: 627

DOSE: 0.70 ACRYL

DISP: Natural Death

HISTO: 021500701452

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Epididymis | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thyroid Gland | * Trachea | | |

OBSERVATIONS

- | | | | |
|--|---------------|----------------|----------------|
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Granuloma | Minimal |
| | Bile Duct | Hyperplasia | Mild |
| Note: TGL 3 - NCL | | | |
| Note: TGL 5 - NCL | | | |
| * Lung | | | |
| Note: TGL 6 - NST (Lung, focus; not found at trim) | | | |
| Lymph Node | Lumbar | Hyperplasia | Lymphoid, Mild |
| Note: TGL 2 - NCL (Lymph node, pancreatic; normal) | | | |
| [Hyperplasia TGLs = 4-17A] | | | |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Preputial Gland | | Inflammation | Mild |
| * Prostate | | Inflammation | Minimal |
| * Spinal Cord, Cervical | Axon | Degeneration | Minimal |
| * Thymus | | Atrophy | Mild |
| * Urinary Bladder | | Dilatation | Marked |
| [Dilatation TGLs = 1-8A] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1452

TRT#: 1

SEX: Male

DAY ON TEST: 627

DOSE: 0.70 ACRYL

DISP: Natural Death

HISTO: 021500701452

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1511

TRT#: 3

SEX: Male

DAY ON TEST: 711

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701511

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain, Brain Stem	Hypothalamus	Compression	Mild
	[Compression TGLs = 5-1A]		
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Lactation	Mild
* Pancreas	Acinar Cell	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 6-9A]		
* Preputial Gland		Inflammation	Moderate
	[Inflammation TGLs = 1-7]		
* Prostate		Inflammation	Mild
* Sem Ves			
	Note: TGL 3 - NCL		
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLs = 7-2A]		
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Infarct	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1511

TRT#: 3

SEX: Male

DAY ON TEST: 711

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701511

ORGAN AND ACCOUNTABLE SITE STATUS

[Infarct TGLs = 4-9]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLs = 2-7B]

* Thymus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1512

TRT#: 3

SEX: Male

DAY ON TEST: 666

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701512

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Skin	* Spinal Cord, Thoracic	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Hypospermia	Marked
* Eye	Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum		Leukemia Mononuclear	
* Islets, Pancreatic		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8,9-3+3A]		
* Lung		Leukemia Mononuclear	
Lymph Node	Lumbar	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 11-17A]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 12-11]		
* Mammary Gland		Lactation	Mild
		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Moderate
	[Leukemia Mononuclear TGLs = 6-17]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1512

TRT#: 3

SEX: Male

DAY ON TEST: 666

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701512

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLs = 6-17]

- * Pancreas
- * Preputial Gland
- * Prostate
- * Salivary Glands
- * Seminal Vesicle

Leukemia Mononuclear
 Atrophy
 Leukemia Mononuclear
 Leukemia Mononuclear
 Leukemia Mononuclear
 Atrophy
 Leukemia Mononuclear

Mild

Mild

[Atrophy TGLs = 7-7A]

- * Skeletal Muscle
- * Spinal Cord, Cervical
- * Spinal Cord, Lumbar
- * Spleen

Axon
 Nerve

Leukemia Mononuclear
 Degeneration
 Degeneration
 Infarct
 Leukemia Mononuclear

Minimal

Minimal

[Infarct TGLs = 3-9A]

[Leukemia Mononuclear TGLs = 2-9]

- * Stomach, Forestomach
- * Stomach, Glandular
- * Testes

Interstit Cell
 Seminif Tub

Leukemia Mononuclear
 Leukemia Mononuclear
 Adenoma
 Atrophy
 Leukemia Mononuclear

Marked

[Adenoma TGLs = 4-7]

[Atrophy TGLs = 5-7]

[Leukemia Mononuclear TGLs = 4-7]

- * Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 10-10]

- * Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1521

TRT#: 3

SEX: Male

DAY ON TEST: 690

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701521

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord, Lumbar	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Epididymis	[Mesothelioma Malignant TGLs = 4-7C]	Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 6-3A]	Hyperplasia	Mild
* Mammary GI			
	Note: TGL 1 - Noted grossly as Mammary gland was Skin		
	Note: No RC per pathologist		
* Pancreas	Acinar Cell	Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 8-9A]		
* Preputial Gland		Adenoma	
	[Adenoma TGLs = 2-7]		
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLs = 1-2A]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1521

TRT#: 3

SEX: Male

DAY ON TEST: 690

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701521

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Infarct	
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
	[Adenoma TGLs = 5-7]		
	[Mesothelioma Malignant TGLs = 3-7B]		
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Adenoma	
	[Adenoma TGLs = 7-6]		

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1522

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701522

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Epididymis		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Moderate
Note: TGL 4 - NCL			
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Pancreas	Acinar Cell	Hyperplasia	Mild
* Pituitary Gland		Angiectasis	Mild
[Angiectasis TGLs = 5-9A]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLs = 1-7C]			
* Prostate		Inflammation	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
[Adenoma TGLs = 2-7B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1522

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701522

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLs = 3-7]

* Thymus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1531

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701531

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Parathyroid Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Spinal Cord, Cervical | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|----------------------------|---|----------------------------|------------------|
| * Adrenal Cortex | | Hypertrophy | Focal, Mild |
| | | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| | | Pheochromocytoma Benign | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| Note: TGL 8 - NCL | | | |
| [Nephropathy TGLs = 9-8] | | | |
| * Liver | | Degeneration | Cystic, Moderate |
| | Caudate Lobe | Developmental Malformation | |
| | | Leukemia Mononuclear | |
| | [Developmental Malformation TGLs = 16-3A] | | |
| | [Leukemia Mononuclear TGLs = 17-3] | | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 13-4] | | |
| Lymph Node | Renal | Leukemia Mononuclear | |
| | Lumbar | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Axillary | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 10-17] | | |
| | [Leukemia Mononuclear TGLs = 11-17A] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1531

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701531

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear	TGLs = 12-17B]		
[Leukemia Mononuclear	TGLs = 14-17C]		
[Leukemia Mononuclear	TGLs = 18-17D]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 3-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Mild
Note: TGL 2 - Noted grossly as Mammary gland was Skin			
* Nose		Inflammation	Mild
* Pancreas	Acinar Cell	Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma	TGLs = 15-9A]		
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Mild
[Ectasia	TGLs = 1-7]		
[Inflammation	TGLs = 1-7]		
* Sem Ves			
Note: TGL 7 - NCL			
* Skin	Subcut Tiss	Fibroma	
[Fibroma	TGLs = 2-2A]		
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 4,5-9]		
* Testes	Interstit Cell	Adenoma	
[Adenoma	TGLs = 6-7B]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1532

TRT#: 3

SEX: Male

DAY ON TEST: 632

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701532

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Jejunum | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---|---------------|---------------------------|----------|
| * Brain, Brain Stem
[Compression TGLs = 15-1A] | Hypothalamus | Compression | Mild |
| * Epididymis | | Exfoliated Germ Cell | Moderate |
| | | Hypospermia | Moderate |
| * Heart
[Dilatation TGLs = 14-2] | | Cardiomyopathy | Mild |
| | | Dilatation | Mild |
| * Intestine Small, Ileum
[Hyperplasia TGLs = 11-12] | Lymphoid Tiss | Hyperplasia | Mild |
| * Int Sm Duoden
Note: TGL 9 - NCL | | | |
| * Int Sm Jejunum
Note: TGL 10 - NCL | | | |
| * Islets, Pancreatic
[Adenoma TGLs = 7-17] | | Adenoma | |
| * Kidney
[Nephropathy TGLs = 6-8] | | Nephropathy | Marked |
| * Liver
[Vacuolization Cytoplasmic TGLs = 12,13-3+3A] | | Vacuolization Cytoplasmic | Moderate |
| Lymph Node
Note: TGL 7 - Noted grossly as Lymph node, pancreatic was Islets pancreas | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1532

TRT#: 3

SEX: Male

DAY ON TEST: 632

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701532

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 16-9]			
* Preputial Gland		Inflammation	Moderate
* Prostate		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
[Decreased Secretory Fluid TGLs = 4-7A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen	Red Pulp	Atrophy	Moderate
[Atrophy TGLs = 5-9]			
* Stomach, Forestomach		Inflammation	Moderate
[Inflammation TGLs = 8-12]			
[Ulcer TGLs = 8-12]			
* Stomach, Glandular		Inflammation	Moderate
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma	
[Adenoma TGLs = 1,2-7B+7]			
[Atrophy TGLs = 3-7]			
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Stomach, Forestomach Ulcer

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1541

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701541

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skeletal Muscle	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adren Cortex			
Note: TGL 8 - NCL			
* Brain, Brain Stem	Hypothalamus	Compression	Mild
[Compression TGLs = 17-1A]			
* Brain, Cerebrum	Ventricle	Dilatation	Mild
* Epididymis		Hypospermia	Marked
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
[Nephropathy TGLs = 9-8]			
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 12,13,14,15,16-3A+3B+3C+3D+3E]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 10-3]			
Lymph Node	Renal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLs = 11-17]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
[Degeneration TGLs = 1-10A]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland	Alveolus	Hyperplasia	Moderate
		Lactation	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1541

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701541

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 18-9]			
* Preputial Gland		Inflammation	Moderate
[Inflammation TGLs = 2-7]			
* Prostate		Inflammation	Mild
* Seminal Vesicle		Atrophy	Mild
[Atrophy TGLs = 5-7A]			
* Skin	Sebaceous GI	Adenoma	
[Adenoma TGLs = 20-2A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Spleen		Infarct	
		Leukemia Mononuclear	
[Infarct TGLs = 7-9A]			
[Leukemia Mononuclear TGLs = 6-9]			
* Stom Gland			
Note: TGL 19 - NCL			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 3,4-7+7B]			
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicle	Cyst	

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1542

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701542

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|-----------------------------|-----------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric |
| * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|--|----------------------------|-------------|
| * Adrenal Cortex | | Carcinoma | |
| | [Carcinoma TGLs = 4-9] | | |
| * Adrenal Medulla | | Hyperplasia | Focal, Mild |
| * Brain, Brain Stem | Hypothalamus | Compression | Mild |
| | [Compression TGLs = 10-1A] | | |
| * Epididymis | | Exfoliated Germ Cell | Mild |
| | | Hypospermia | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | Left Lat Lobe | Developmental Malformation | |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Mild |
| | [Developmental Malformation TGLs = 8-3A] | | |
| | [Leukemia Mononuclear TGLs = 7-3] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | Note: TGL 5 - Noted grossly as Lymph node, renal was Tissue NOS (large vessel) | | |
| | Note: TGL 6 - Noted grossly as Lymph node, lumbar was Lymph node, pancreatic | | |
| | [Leukemia Mononuclear TGLs = 2,6-17+17B] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1542

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701542

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Lactation	Mild
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 9-9]		
* Preputial Gland		Inflammation	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-9]		
* Testes	Seminif Tub	Atrophy	Mild
	Note: TGL 3 - NCL		
* Thymus		Atrophy	Moderate
Tissue NOS	Abdominal	Carcinoma	Metastatic (Adrenal Cortex)
	[Carcinoma TGLs = 5-17A]		

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1551

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701551

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|-------------------------------|----------------------------------|---------------------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Bone Marrow | | Hyperplasia | Moderate |
| * Epididymis | Serosa | Cyst | |
| | | Hypospermia | Marked |
| | [Cyst TGLs = 4-7A] | | |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | Centrilobular | Degeneration | Mild |
| | | Hematopoietic Cell Proliferation | Mild |
| * Lung | | Inflammation | Mild |
| Lymph Node | Renal | Degeneration | Cystic, Marked |
| | Mediastinal | Degeneration | Cystic, Moderate |
| | Mediastinal | Hemorrhage | Mild |
| | [Degeneration TGLs = 6-17] | | |
| | [Degeneration TGLs = 8-17A] | | |
| | [Hemorrhage TGLs = 8-17A] | | |
| * Lymph Node, Mandibular | | Hemorrhage | Mild |
| | [Hemorrhage TGLs = 10-10] | | |
| * Mammary Gland | | Lactation | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1551

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701551

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 9-9]			
* Preputial Gland	Duct	Ectasia Inflammation	Moderate Moderate
[Ectasia TGLs = 1-7]			
[Inflammation TGLs = 1-7]			
* Prostate		Inflammation	Minimal
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLs = 2-9]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 3,5-7B+7]			
* Thymus		Atrophy	Mild

Animal Note: TGL 7 - NST (Cavity, thoracic, fluid)

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1552

TRT#: 3

SEX: Male

DAY ON TEST: 564

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701552

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|---|----------------|----------------------|------|
| * Epididymis | | Exfoliated Germ Cell | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Islets, Pancreatic | | Adenoma | |
| [Adenoma TGLs = 3-17] | | | |
| * Kidney | | Nephropathy | Mild |
| Lymph Node | | | |
| Note: TGL 3 - Noted grossly as Lymph node, pancreatic was Islets pancreas | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Preputial Gland | | Inflammation | Mild |
| * Sem Ves | | | |
| Note: TGL 4 - NCL | | | |
| * Skin | | Inflammation | Mild |
| [Inflammation TGLs = 1-2A] | | | |
| * Testes | Interstit Cell | Adenoma | |
| [Adenoma TGLs = 2-7B] | | | |
| * Thymus | | Atrophy | Mild |

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1661

TRT#: 4

SEX: Male

DAY ON TEST: 353

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701661

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Epididymis | * Esophagus |
| * Eye | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Pituitary Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---|-----------|---------------------------|---------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | | Angiectasis | Minimal |
| Bone | Vertebra | Fracture | |
| [Fracture TGLs = 2-5A] | | | |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Minimal |
| * Liver | | Granuloma | Mild |
| | Bile Duct | Hyperplasia | Minimal |
| Mesentery | Fat | Necrosis | Moderate |
| [Necrosis TGLs = 1-17] | | | |
| * Preputial Gland | | Inflammation | Mild |
| * Spin Cord Cerv | | | |
| Note: TGL 2 - Noted grossly as Spinal cord, cervical was Bone, vertebra | | | |
| * Thymus | | Atrophy | Mild |

PRIMARY CAUSE OF DEATH - Bone Vertebra Fracture

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1662

TRT#: 4

SEX: Male

DAY ON TEST: 642

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701662

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Epididymis		Exfoliated Germ Cell	Mild
		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	
* Kidney		Cyst	
		Nephropathy	Moderate
	[Cyst TGLs = 3-8A]		
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Pituitary Gland	Pars Intermed	Cyst	
* Preputial Gland		Inflammation	Mild
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1662

TRT#: 4

SEX: Male

DAY ON TEST: 642

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701662

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 1,4-7B+7]

[Atrophy TGLs = 2-7]

* Thymus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

- Heart Atrium Thrombosis

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1671

TRT#: 4

SEX: Male

DAY ON TEST: 719

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701671

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Brain, Brain Stem	Hypothalamus	Compression	Mild
[Compression TGLs = 6-1A]			
* Epididymis		Exfoliated Germ Cell	Mild
		Hypospermia	Mild
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLs = 5-8]			
* Liver		Vacuolization Cytoplasmic	Moderate
* Mammary Gland		Galactocele	
		Lactation	Moderate
[Galactocele TGLs = 2-2B]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 7-9A]			
* Preputial Gland		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLs = 3-7]			
* Prostate		Inflammation	Mild
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLs = 1-2A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1671

TRT#: 4

SEX: Male

DAY ON TEST: 719

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701671

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Pigmentation	Moderate
* Testes [Atrophy TGLs = 4-7]	Seminif Tub	Atrophy	Moderate
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1672

TRT#: 4

SEX: Male

DAY ON TEST: 708

DOSE: 0.0875 ACRYL

DISP: Natural Death

HISTO: 021500701672

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Rectum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

MISSING

* Preputial Gland

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Colon	* Intestine Small, Ileum	* Intestine Small, Jejunum
-------	--------------------------	--------------------------	----------------------------

OBSERVATIONS

* Adrenal Cortex [Necrosis TGLs = 7-9]		Necrosis	Coagulative, Marked
* Epididymis		Hypospermia	Marked
* Heart [Thrombosis TGLs = 8-2A]	Atrium	Mesothelioma Malignant Cardiomyopathy Thrombosis	Mild
* Intestine Large, Cecum		Mesothelioma Malignant	
* Intestine Small, Duodenum		Mesothelioma Malignant	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct Centrilobular	Hematopoietic Cell Proliferation Hyperplasia Necrosis Vacuolization Cytoplasmic	Moderate Moderate Moderate Moderate
Note: Liver lesions are typical of heart failure.			
Mesentery [Mesothelioma Malignant TGLs = 2-17]		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1672

TRT#: 4

SEX: Male

DAY ON TEST: 708

DOSE: 0.0875 ACRYL

DISP: Natural Death

HISTO: 021500701672

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Mesothelioma Malignant	
* Preputial GI			
Note: WT attempted			
* Prostate		Mesothelioma Malignant	
* Seminal Vesicle		Atrophy	Mild
		Mesothelioma Malignant	
[Atrophy TGLs = 5-7A]			
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLs = 6-9]			
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
[Adenoma TGLs = 3,4-7+7B]			
* Thymus		Atrophy	Mild
* Urinary Bladder		Mesothelioma Malignant	

PRIMARY CAUSE OF DEATH - Mesentery Mesothelioma Malignant
CONTRIBUTORY CAUSE OF DEATH - Heart Atrium Thrombosis
- Liver Centrilobular Necrosis

Animal Note: TGL 1 - NST (Cavity, abdominal, fluid)

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1681

TRT#: 4

SEX: Male

DAY ON TEST: 703

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701681

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mesenteric | * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Pituitary Gland | * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle |
| * Skin | * Spinal Cord, Thoracic | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|---------------------------------------|-------------------------|--------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Bone Marrow | | Atrophy | Marked |
| * Epididymis | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| | Atrium | Thrombosis | |
| | [Thrombosis TGLs = 9-2] | | |
| * Kidney | | Nephropathy | Mild |
| | Note: TGL 6 - NCL | | |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 7-3] | | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 11-4A] | | |
| * Lym Node Mand | | | |
| | Note: RC attempted | | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 8-17] | | |
| * Mammary Gland | | Galactocele | |
| | Alveolus | Hyperplasia | Mild |
| | [Galactocele TGLs = 1-2A] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1681

TRT#: 4

SEX: Male

DAY ON TEST: 703

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701681

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland			
Note: TGL 10 - NCL			
* Preputial Gland		Atrophy	Mild
		Inflammation	Mild
* Prostate		Inflammation	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 3-9]			
* Stomach, Forestomach		Hyperplasia	Moderate
		Inflammation	Moderate
		Ulcer	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
		Leukemia Mononuclear	
[Adenoma TGLs = 2,5-7+7B]			
[Atrophy TGLs = 4-7B]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1682

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|---------------------------|-----------------------------|-----------------------------|
| * Blood Vessel | * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |

OBSERVATIONS

- | | | | |
|--------------------------|--|----------------------|---------------|
| * Adrenal Cortex | | Angiectasis | Mild |
| * Adrenal Medulla | | Hyperplasia | Focal, Marked |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | | Hypospermia | Marked |
| * Heart | | Leukemia Mononuclear | |
| | Atrium | Thrombosis | |
| | [Thrombosis TGLs = 14-2] | | |
| * Intestine Large, Cecum | | Leukemia Mononuclear | |
| * Intestine Small, Ileum | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| * Liver | | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Axillary | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| | Lumbar | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |
| | Deep Cervical | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 3-17] | | |
| | [Leukemia Mononuclear TGLs = 7-17A] | | |
| | [Leukemia Mononuclear TGLs = 9-17B] | | |
| | [Leukemia Mononuclear TGLs = 10-17C] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1682

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701682

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear	TGLs = 11-17D]		
[Leukemia Mononuclear	TGLs = 12-17E]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 2-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 17-11]		
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
Note: TGL 16 - Noted grossly as Mammary gland was Skin			
[Fibroadenoma	TGLs = 1-2A]		
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma	TGLs = 15-9A]		
* Preputial Gland		Inflammation	Mild
* Prostate		Leukemia Mononuclear	
* Seminal Vesicle		Atrophy	Mild
[Atrophy	TGLs = 18-7A]		
* Skin	Subcut Tiss	Fibroma	
[Fibroma	TGLs = 16-2B]		
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 6,8-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma	TGLs = 4,5-7+7B]		
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 13-10]		
* Urinary Bladder		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1691

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | |

OBSERVATIONS

- | | | | |
|--|-------------|---------------------|------------------|
| * Adren Cortex | | | |
| Note: TGL 9 - NCL | | | |
| * Bone Marrow | | Histiocytic Sarcoma | |
| * Brain Stem | | | |
| Note: TGL 13 - NST (Brain stem, deformity; not found at trim) | | | |
| * Epididymis | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| [Nephropathy TGLs = 10-8] | | | |
| * Liver | | Histiocytic Sarcoma | |
| [Histiocytic Sarcoma TGLs = 16,17,18,19,20,21-3+3A+3B+3C+3D] | | | |
| * Lung | | Histiocytic Sarcoma | |
| [Histiocytic Sarcoma TGLs = 23-4] | | | |
| Lymph Node | Lumbar | Degeneration | Cystic, Moderate |
| | Renal | Histiocytic Sarcoma | |
| | Lumbar | Histiocytic Sarcoma | |
| | Mediastinal | Histiocytic Sarcoma | |
| [Degeneration TGLs = 12-17A] | | | |
| [Histiocytic Sarcoma TGLs = 11-17] | | | |
| [Histiocytic Sarcoma TGLs = 12-17A] | | | |
| [Histiocytic Sarcoma TGLs = 22-17B] | | | |
| * Lymph Node, Mandibular | | Histiocytic Sarcoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1691

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701691

ORGAN AND ACCOUNTABLE SITE STATUS

	[Histiocytic Sarcoma TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Degeneration	Cystic, Marked
* Mammary Gland		Galactocele	
	[Galactocele TGLs = 15-2A]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 14-9]		
* Preputial Gland		Inflammation	Moderate
	[Inflammation TGLs = 2-7]		
* Prostate		Histiocytic Sarcoma	
* Seminal Vesicle		Atrophy	Moderate
	[Atrophy TGLs = 6-7A]		
* Skin	Sebaceous GI	Adenoma	
	[Adenoma TGLs = 24-2B]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Spleen		Accessory Spleen	
		Hematopoietic Cell Proliferation	Marked
	[Accessory Spleen TGLs = 8-9A]		
	[Hematopoietic Cell Proliferation TGLs = 7-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 3,4-7B+7]		
* Thymus		Atrophy	Mild
* Urinary Bladder		Dilatation	Marked
	[Dilatation TGLs = 5-8A]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1692

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Epididymis		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Lymphocyte, Minimal
	[Hyperplasia TGLs = 8-3]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Pancreas	Acinar Cell	Atrophy	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 6,7-9]		
* Preputial Gland		Inflammation	Marked
	[Inflammation TGLs = 1-7]		
* Prostate		Inflammation	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1692

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701692

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen			
Note: TGL 5 - NCL			
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
[Adenoma TGLs = 3,4-7+7B]			
[Atrophy TGLs = 2-7]			
* Thymus		Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1701

TRT#: 4

SEX: Male

DAY ON TEST: 702

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701701

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nose	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Epididymis		Atrophy	Moderate
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Inflammation	Chronic, Mild
* Liver	Oval Cell	Hyperplasia	Marked
	Hepatocyte	Hyperplasia	Moderate
	[Hyperplasia TGLs = 12,13,14,15,16-3A+3B+3C+3D+3E]		
	[Hyperplasia TGLs = 12,13,14,15,16-3A+3B+3C+3D+3E]		
Lymph Node			
	Note: TGL 6 - Noted grossly as Lymph node, pancreatic was Seminal vesicle		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Degeneration	Cystic, Marked
	[Degeneration TGLs = 9-11]		
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Pancreas		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Mild
	[Inflammation TGLs = 1-7]		
* Prostate		Atrophy	Moderate
		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1701

TRT#: 4

SEX: Male

DAY ON TEST: 702

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701701

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLs = 5-7C]

* Seminal Vesicle

Atrophy
Leukemia Mononuclear

Marked

Note: TGL 6 - NCL

Note: Tissue on slide 17 is Seminal vesicle, atrophic not Lymph node, pancreatic

* Spinal Cord, Lumbar

Nerve

Degeneration

Minimal

* Spinal Cord, Thoracic

Axon

Degeneration

Minimal

* Spleen

Infarct
Leukemia Mononuclear

[Infarct TGLs = 8-9]

[Leukemia Mononuclear TGLs = 7-9]

* Stom Gland

Note: TGL 10 - NCL

Note: TGL 11 - NCL

* Testes

Bilateral, Interstit Cell
Seminif Tub

Adenoma
Atrophy

Marked

[Adenoma TGLs = 3,4-7+7B]

[Atrophy TGLs = 2-7+7B]

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1702

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701702

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Epididymis		Exfoliated Germ Cell	Moderate
		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	
	[Thrombosis TGLs = 4-2]		
* Kidney		Nephropathy	Moderate
* Liver		Hematopoietic Cell Proliferation	Mild
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Adenoma	
		Inflammation	Marked
	[Adenoma TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Prostate		Inflammation	Minimal
* Spinal Cord, Cervical	Nerve	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2,3-7B+7]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1702

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701702

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Mild

* Thyroid Gland

Follicle

Cyst

Follicular Cel

Hyperplasia

Minimal

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1761

TRT#: 2

SEX: Male

DAY ON TEST: 647

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Preputial Gland | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---|--|-------------------------------|-----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Adrenal Medulla | | Angiectasis | Moderate |
| * Epididymis | | Exfoliated Germ Cell | Moderate |
| | | Hypospermia | Marked |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney | | Accumulation, Hyaline Droplet | Marked |
| | | Nephropathy | Mild |
| Note: TGL 4 - Noted grossly as Kidney was Tissue NOS (retroperitoneal fat) | | | |
| * Liver | Centrilobular | Histiocytic Sarcoma | |
| | | Necrosis | Mild |
| | | Thrombosis | Mild |
| | | Vacuolization Cytoplasmic | Moderate |
| | [Vacuolization Cytoplasmic TGLs = 5-3A] | | |
| * Lung | | Histiocytic Sarcoma | |
| | [Histiocytic Sarcoma TGLs = 6,7,8,9,10-4A+4B+4C+4D+4E] | | |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Plasma Cell, Moderate |
| * Mammary Gland | | Galactocele | |
| | [Galactocele TGLs = 1,2-2A+2B] | | |
| Mesentery | | | |
| Note: Extensive Histiocytic sarcoma infiltration noted in Mesentery; located on slide 11 and 12 | | | |
| * Pancreas | | Histiocytic Sarcoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1761

TRT#: 2

SEX: Male

DAY ON TEST: 647

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701761

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLs = 11-9]	Pars Distalis	Adenoma	
* Prostate		Inflammation	Moderate
* Seminal Vesicle		Atrophy	Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach [Edema TGLs = 12-12] [Hyperplasia TGLs = 12-12]		Edema	Marked
		Hyperplasia	Moderate
* Testes [Atrophy TGLs = 3-7]	Seminif Tub	Atrophy	Moderate
* Thymus Tissue NOS [Necrosis TGLs = 4-8]	Fat	Histiocytic Sarcoma Necrosis	Mild

PRIMARY CAUSE OF DEATH - Lung Histiocytic Sarcoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1762

TRT#: 2

SEX: Male

DAY ON TEST: 662

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701762

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord, Lumbar
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Epididymis		Exfoliated Germ Cell	Mild
		Hypospermia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Mild
	Right Lat Lobe	Developmental Malformation	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Developmental Malformation TGLs = 7-3A]		
	[Hyperplasia TGLs = 8-3]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Marked
	[Infiltration Cellular TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 6-9A]		
* Preputial Gland		Inflammation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1762

TRT#: 2

SEX: Male

DAY ON TEST: 662

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701762

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Mild
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLs = 5-2A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Infarct	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 3,4-7+7B]		
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Skin Cyst Epithelial Inclusion

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1771

TRT#: 2

SEX: Male

DAY ON TEST: 687

DOSE: 0.35 ACRYL

DISP: Natural Death

HISTO: 021500701771

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mesenteric | * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Eye

OBSERVATIONS

- | | | | |
|--|---------------|---------------------------|------------------|
| * Brain, Brain Stem | Hypothalamus | Compression | Minimal |
| [Compression TGLs = 12-1A] | | | |
| * Epididymis | | Atrophy | Moderate |
| | | Hypospermia | Marked |
| * Eye | | | |
| Note: No WT per pathologist; missing at trim | | | |
| * Heart | Atrium | Cardiomyopathy | Mild |
| [Thrombosis TGLs = 7-2] | | Thrombosis | |
| * Kidney | | Nephropathy | Mild |
| * Liver | Centrilobular | Necrosis | Mild |
| | | Regeneration | Marked |
| | | Vacuolization Cytoplasmic | Marked |
| Note: Histopathologic findings are consistent with those secondary to heart failure. | | | |
| [Regeneration TGLs = 6,8,9,10,11-3A+3B+3C+3D+3E] | | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| * Lymph Node, Mandibular | | Degeneration | Cystic, Mild |
| [Degeneration TGLs = 1-10+10A] | | | |
| * Mammary Gland | Alveolus | Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1771

TRT#: 2

SEX: Male

DAY ON TEST: 687

DOSE: 0.35 ACRYL

DISP: Natural Death

HISTO: 021500701771

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Located on slide 7

* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 13-9A]		
* Preputial Gland		Inflammation	Marked
	[Inflammation TGLs = 2-7]		
* Prostate		Inflammation	Mild
* Seminal Vesicle		Atrophy	Mild
	[Atrophy TGLs = 5-7A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Infarct	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 14-9]		
* Testes	Interstitial Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	[Adenoma TGLs = 4-7B]		
	[Atrophy TGLs = 3-7]		
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Heart Atrium Thrombosis

CONTRIBUTORY CAUSE OF DEATH - Liver Centrilobular Necrosis

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1772

TRT#: 2

SEX: Male

DAY ON TEST: 697

DOSE: 0.35 ACRYL

DISP: Natural Death

HISTO: 021500701772

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Eye

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Brain, Brain Stem	Hypothalamus	Compression	Mild
	[Compression TGLs = 12-1]		
* Brain, Cerebrum	Ventricle	Dilatation	Mild
* Epididymis		Hypospermia	Marked
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 10-8]		
	[Nephropathy TGLs = 10-8]		
* Liver	Oval Cell	Hyperplasia	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 9-3]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 11-4]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1772

TRT#: 2

SEX: Male

DAY ON TEST: 697

DOSE: 0.35 ACRYL

DISP: Natural Death

HISTO: 021500701772

ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolus	Hyperplasia	Minimal
		Lactation	Moderate
	[Galactocoele TGLs = 2,3,4,14-2B+2C+2D+2E]		
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLs = 8-17]		
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 13-9A]		
* Preputial Gland		Inflammation	Minimal
* Prostate		Leukemia Mononuclear	
* Skin		Basal Cell Carcinoma	
	[Basal Cell Carcinoma TGLs = 1-2A]		
* Spinal Cord, Cervical		Leukemia Mononuclear	
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-9]		
* Testes	Seminif Tub	Atrophy	Marked
	[Atrophy TGLs = 6-7]		
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1781

TRT#: 2

SEX: Male

DAY ON TEST: 670

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701781

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear Pheochromocytoma Benign	
	[Leukemia Mononuclear TGLs = 3-9]		
	[Pheochromocytoma Benign TGLs = 3-9]		
* Bone Marrow		Atrophy	Moderate
* Epididymis		Exfoliated Germ Cell Hypospermia	Moderate Moderate
* Heart	Myocardium	Hypertrophy Leukemia Mononuclear	Mild
	[Hypertrophy TGLs = 17-2A]		
	[Leukemia Mononuclear TGLs = 16-2]		
* Intestine Large, Cecum		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 19-12A]		
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
	[Hyperplasia TGLs = 14-12]		
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-3]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7,8,9,10,11-4A+4B+4C+4D+4E]		
Lymph Node	Mediastinal, Medulla, Sinus	Dilatation	Mild
	Medulla, Pancreatic, Sinus	Dilatation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1781

TRT#: 2

SEX: Male

DAY ON TEST: 670

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701781

ORGAN AND ACCOUNTABLE SITE STATUS

	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Dilatation TGLs = 12-17]		
	[Dilatation TGLs = 15-17A]		
	[Leukemia Mononuclear TGLs = 12-17]		
	[Leukemia Mononuclear TGLs = 15-17A]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 18-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Mild
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLs = 13-9B]		
	[Leukemia Mononuclear TGLs = 13-9B]		
* Preputial Gland		Inflammation	Mild
* Prostate		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Infarct	
		Leukemia Mononuclear	
	[Infarct TGLs = 2-9A]		
	[Leukemia Mononuclear TGLs = 1-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 4,5-7+7B]		
* Thymus		Atrophy	Mild
		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1782

TRT#: 2

SEX: Male

DAY ON TEST: 726

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701782

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Brain, Brain Stem	Hypothalamus	Compression	Moderate
	[Compression TGLs = 7-1A]		
* Brain, Cerebrum	Ventricle	Dilatation	Mild
* Epididymis		Exfoliated Germ Cell	Moderate
		Hypospermia	Mild
* Heart		Cardiomyopathy	Moderate
	Atrium	Thrombosis	
	[Thrombosis TGLs = 9-2]		
* Intestine Small, Duodenum	Mucosa	Hyperplasia	Moderate
	[Hyperplasia TGLs = 10-12]		
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 3-8]		
* Liver		Degeneration	Cystic, Mild
		Vacuolization Cytoplasmic	Moderate
	Note: TGL 6 - NCL		
	[Vacuolization Cytoplasmic TGLs = 5-3]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary GI			
	Note: No RC per pathologist		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1782

TRT#: 2

SEX: Male

DAY ON TEST: 726

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701782

ORGAN AND ACCOUNTABLE SITE STATUS

* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 8-9A]			
* Preputial Gland		Inflammation	Marked
[Inflammation TGLs = 1-7]			
* Prostate		Inflammation	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen	Red Pulp	Atrophy	Moderate
		Pigmentation	Moderate
[Atrophy TGLs = 4-9]			
* Stomach, Forestomach		Hyperplasia	Moderate
		Inflammation	Moderate
		Ulcer	Moderate
Note: TGL 11 also located on slide 12 with the routine Stomach, forestomach section [Hyperplasia TGLs = 11-12+12A] [Inflammation TGLs = 11-12+12A] [Ulcer TGLs = 11-12+12A]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLs = 2-7B]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Heart Atrium Thrombosis
CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1791

TRT#: 2

SEX: Male

DAY ON TEST: 640

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701791

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Moderate
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Leukemia Mononuclear	
* Brain, Brain Stem		Leukemia Mononuclear	
* Brain, Cerebellum		Leukemia Mononuclear	
* Epididymis		Exfoliated Germ Cell	Mild
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver	Left Lat Lobe	Developmental Malformation	
		Leukemia Mononuclear	
	[Developmental Malformation TGLs = 6-3A]		
	[Leukemia Mononuclear TGLs = 5-3]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-11A]		
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1791

TRT#: 2

SEX: Male

DAY ON TEST: 640

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701791

ORGAN AND ACCOUNTABLE SITE STATUS

[Ectasia TGLs = 1-7] [Inflammation TGLs = 1-7]			
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4-9]			
* Stomach, Forestomach		Inflammation	Moderate
		Ulcer	Marked
[Inflammation TGLs = 9-12B] [Ulcer TGLs = 9-12B]			
* Stomach, Glandular		Hemorrhage	Mild
		Inflammation	Mild
[Hemorrhage TGLs = 8-12A] [Inflammation TGLs = 8-12A]			
* Testes	Bilateral, Interstit Cell	Adenoma	
Note: Also located on slide 7			
[Adenoma TGLs = 3-7B]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1792

TRT#: 2

SEX: Male

DAY ON TEST: 473

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701792

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Epididymis		Exfoliated Germ Cell	Mild
		Hypospermia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Lymph Node, Mandibular		Hemorrhage	Moderate
	Note: Draining hemorrhage at necropsy.		
	[Hemorrhage TGLs = 4-10A]		
* Preputial Gland		Inflammation	Moderate
		Squamous Cell Carcinoma	
	[Inflammation TGLs = 2-7C]		
	[Squamous Cell Carcinoma TGLs = 1-7B]		
* Prostate		Inflammation	Mild
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLs = 3-7]		

PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1801

TRT#: 2

SEX: Male

DAY ON TEST: 715

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701801

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spleen	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Epididymis		Exfoliated Germ Cell	Moderate
		Hypospermia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
Note: TGL 9 - NCL			
[Nephropathy TGLs = 8-8]			
* Liver		Vacuolization Cytoplasmic	Moderate
Note: TGL 12 - NCL			
Lymph Node	Renal	Degeneration	Cystic, Moderate
	Renal	Hemorrhage	Mild
[Degeneration TGLs = 10-17A]			
[Hemorrhage TGLs = 10-17A]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Mammary Gland		Galactocele	
		Lactation	Mild
[Galactocele TGLs = 1,2-2A+2B]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLs = 4-17]			
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1801

TRT#: 2

SEX: Male

DAY ON TEST: 715

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701801

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 11-9A]			
* Preputial Gland	Duct	Ectasia Inflammation	Moderate Minimal
[Ectasia TGLs = 3-7]			
[Inflammation TGLs = 3-7]			
* Prostate		Inflammation	Marked
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Stomach, Forestomach		Inflammation Ulcer	Moderate Marked
Note: TGL 7 also located on slide 12 with the routine Stomach, forestomach section			
[Inflammation TGLs = 7-12+12A]			
* Testes	Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
[Adenoma TGLs = 6-7B]			
[Atrophy TGLs = 5-7+7B]			
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1802

TRT#: 2

SEX: Male

DAY ON TEST: 495

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Epididymis		Exfoliated Germ Cell	Mild
* Eye	Retina	Degeneration	Marked
	[Degeneration TGLs = 7-13]		
* Heart		Cardiomyopathy	Mild
		Schwannoma Malignant	
* Kidney		Nephropathy	Mild
		Pigmentation	Moderate
* Liver		Leukemia Mononuclear	
	Note: WT requested for TGL 9 located on slide 3A		
	[Leukemia Mononuclear TGLs = 5,9-3+3A]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-10A]		
	[Leukemia Mononuclear TGLs = 10-17]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-10]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas			
	Note: TGL 6 - Noted grossly as Pancreas was Lymph node, pancreatic		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1802

TRT#: 2

SEX: Male

DAY ON TEST: 495

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701802

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Hyperplasia TGLs = 8-9]	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Inflammation	Moderate
* Prostate		Inflammation	Mild
* Spinal Cord, Lumbar		Leukemia Mononuclear	
* Spleen [Hematocyst TGLs = 4-9A] [Leukemia Mononuclear TGLs = 3-9A]	Capsule	Hematocyst Leukemia Mononuclear	
* Testes [Adenoma TGLs = 2-7B]	Interstit Cell	Adenoma	
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1811

TRT#: 1

SEX: Male

DAY ON TEST: 548

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701811

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Epididymis		Hypospermia	Marked
		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLs = 5-7A]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart	Atrium	Thrombosis	
	[Thrombosis TGLs = 9-2]		
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
	Mediastinal	Infiltration Cellular	Mast Cell, Moderate
	[Hyperplasia TGLs = 7-17A]		
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
		Hyperplasia	Lymphoid, Mild
	[Hemorrhage TGLs = 8-11]		
	[Hyperplasia TGLs = 8-11]		
Peritoneum	Tunica Vaginal	Mesothelioma Malignant	
	[Mesothelioma Malignant TGLs = 6-17]		
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1811

TRT#: 1

SEX: Male

DAY ON TEST: 548

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701811

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 12-9]			
* Preputial Gland	Duct	Ectasia	Moderate
[Ectasia TGLs = 1-7B]			
* Prostate		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
[Decreased Secretory Fluid TGLs = 10-7D]			
* Spleen		Leukemia Mononuclear	
* Stom Gland			
Note: TGL 11 - NCL			
* Testes	Bilateral, Interstit Cell	Adenoma Mesothelioma Malignant	
Note: TGL 4 also located on slide 7 with the routine Testes section			
[Adenoma TGLs = 2,3-7+7C]			
[Mesothelioma Malignant TGLs = 4-7+7C]			
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Peritoneum Tunica Vaginal Mesothelioma Malignant

Animal Note: TGL 6 - Noted grossly as Cavity, scrotal was Peritoneum, tunica vaginalis (the serous lining of the scrotum)

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1812

TRT#: 1

SEX: Male

DAY ON TEST: 709

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701812

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Epididymis		Hypospermia	Marked
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 8-8]		
* Liver		Degeneration	Cystic, Mild
	[Leukemia Mononuclear TGLs = 7-3]	Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
	[Infiltration Cellular TGLs = 2-10+10A]		
* Mammary Gland	Alveolus	Hyperplasia	Marked
		Lactation	Marked
	[Hyperplasia TGLs = 1-2A]		
	[Lactation TGLs = 1-2A]		
* Pancreas	Acinar Cell	Atrophy	Minimal
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 10-9B]		
* Preputial Gland		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1812

TRT#: 1

SEX: Male

DAY ON TEST: 709

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701812

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Moderate
* Seminal Vesicle		Atrophy	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Infarct	
		Leukemia Mononuclear	
	[Infarct TGLs = 6-9A]		
	[Leukemia Mononuclear TGLs = 5-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 3,4-7+7B]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLs = 9-17]		

PRIMARY CAUSE OF DEATH - Tongue Squamous Cell Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: TGL 9 - Noted grossly as Cavity, oral was Tongue

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1821

TRT#: 1

SEX: Male

DAY ON TEST: 668

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701821

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mesenteric | * Nose | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|---|---------------------------|------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Epididymis | | Hypospermia | Marked |
| | | Mesothelioma Malignant | |
| | [Mesothelioma Malignant TGLs = 3-7A+7C] | | |
| * Heart | | Leukemia Mononuclear | |
| | Atrium | Thrombosis | |
| | Note: TGL 7 - NCL | | |
| | [Thrombosis TGLs = 6-2] | | |
| * Islets, Pancreatic | | Adenoma | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Degeneration | Cystic, Moderate |
| | Bile Duct | Hyperplasia | Moderate |
| | Centrilobular | Necrosis | Mild |
| | | Vacuolization Cytoplasmic | Moderate |
| | [Degeneration TGLs = 4-3A] | | |
| | [Necrosis TGLs = 5-3] | | |
| | [Vacuolization Cytoplasmic TGLs = 5-3] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Mammary Gland | | Lactation | Mild |
| * Pancreas | Acinar Cell | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1821

TRT#: 1

SEX: Male

DAY ON TEST: 668

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701821

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Mild
	[Ectasia TGLs = 1-7B]		
	[Inflammation TGLs = 1-7B]		
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
	[Adenoma TGLs = 2-7]		
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Heart Atrium Thrombosis

CONTRIBUTORY CAUSE OF DEATH - Liver Centrilobular Necrosis

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1822

TRT#: 1

SEX: Male

DAY ON TEST: 555

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701822

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-3]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-4]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Pancreas	Acinar Cell	Atrophy	Minimal
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5-9A]		
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Spleen		Infarct	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1,2-9B]		
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1831

TRT#: 1

SEX: Male

DAY ON TEST: 577

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701831

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebrum	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain, Brain Stem	Hypothalamus	Compression	Minimal
	[Compression TGLs = 6-1]		
* Brain, Cerebellum		Astrocytoma Nos	
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
	[Leukemia Mononuclear TGLs = 4-3]	Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Mild
Lymph Node		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-17]		
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Mild
	[Degeneration TGLs = 1-10+10A]		
	[Infiltration Cellular TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Galactocele	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1831

TRT#: 1

SEX: Male

DAY ON TEST: 577

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701831

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLs = 2-2A]

Mesentery

Note: TGL 5 - Noted grossly as Mesentery was Lymph node

* Pancreas	Acinar Cell	Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 7-9A]			
* Preputial Gland		Inflammation	Moderate
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 3-9]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
[Hyperplasia TGLs = 8-6]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1832

TRT#: 1

SEX: Male

DAY ON TEST: 698

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701832

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
Lymph Node	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Epididymis		Exfoliated Germ Cell	Mild
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	
	[Thrombosis TGLs = 7-2]		
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLs = 5-8]		
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
	[Degeneration TGLs = 9-3A]		
* Lung		Inflammation	Mild
Lymph Node			
Note: TGL 6 - NCL (Lymph node, lumbar)			
Note: TGL 8 - NCL (Lymph node, mediastinal)			
* Lymph Node, Mesenteric		Hemorrhage	Mild
	[Hemorrhage TGLs = 11-11]		
* Mammary Gland		Galactoceles	
	[Galactoceles TGLs = 2-2B]	Lactation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1832

TRT#: 1

SEX: Male

DAY ON TEST: 698

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701832

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 10-9A]			
* Preputial Gland		Adenoma	
		Inflammation	Moderate
[Adenoma TGLs = 3-7]			
* Prostate		Inflammation	Moderate
* Skin		Basal Cell Carcinoma	
[Basal Cell Carcinoma TGLs = 1-2A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Testes			
Note: TGL 4 - NCL			
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Skin Basal Cell Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1841

TRT#: 1

SEX: Male

DAY ON TEST: 686

DOSE: 0.70 ACRYL

DISP: Natural Death

HISTO: 021500701841

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |

AUTO PRECLUDES DIAG.

- | | |
|-------|----------------------------|
| * Eye | * Intestine Small, Jejunum |
|-------|----------------------------|

OBSERVATIONS

- | | | | |
|-----------------------------|--|----------------------------|----------|
| * Epididymis | | Exfoliated Germ Cell | Mild |
| * Heart | | Cardiomyopathy | Mild |
| | Atrium | Thrombosis | |
| | [Thrombosis TGLs = 6-2B] | | |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Hepatodiaphragmatic Nodule | |
| | [Hepatodiaphragmatic Nodule TGLs = 3-3A] | | |
| * Lung | | Inflammation | Moderate |
| | [Inflammation TGLs = 8-4+4A] | | |
| * Lym Node Mesen | | | |
| | Note: TGL 5 - NCL | | |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Mild |
| * Skin | | Squamous Cell Carcinoma | |
| | [Squamous Cell Carcinoma TGLs = 1-2A] | | |
| * Spleen | | | |
| | Note: TGL 7 - NCL | | |
| * Testes | Interstit Cell | Adenoma | |
| | Note: Only one testes present at trim. | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1841

TRT#: 1

SEX: Male

DAY ON TEST: 686

DOSE: 0.70 ACRYL

DISP: Natural Death

HISTO: 021500701841

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 2-7]

* Thymus

Atrophy

Mild

* Thyroid Gland

Follicular Cel

Carcinoma

[Carcinoma TGLs = 4-6]

PRIMARY CAUSE OF DEATH - Heart Atrium Thrombosis

CONTRIBUTORY CAUSE OF DEATH - Lung Inflammation

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1842

TRT#: 1

SEX: Male

DAY ON TEST: 716

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701842

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Esophagus	* Harderian Gland	* 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
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain, Cerebrum		Leukemia Mononuclear	
* Epididymis		Hypospermia	Moderate
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 11-3]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 16-4]		
Lymph Node	Axillary	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: TGL 2 - Noted grossly as Lymph node, inguinal was Mammary gland			
	[Leukemia Mononuclear TGLs = 1-17]		
	[Leukemia Mononuclear TGLs = 10-17B]		
	[Leukemia Mononuclear TGLs = 12-17C]		
	[Leukemia Mononuclear TGLs = 13-17D]		
* Lymph Node, Mandibular		Degeneration	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1842

TRT#: 1

SEX: Male

DAY ON TEST: 716

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701842

ORGAN AND ACCOUNTABLE SITE STATUS

Leukemia Mononuclear

[Degeneration TGLs = 3-10+10A]

[Leukemia Mononuclear TGLs = 3-10+10A]

* Lymph Node, Mesenteric

Degeneration

Cystic, Mild

Leukemia Mononuclear

[Degeneration TGLs = 15-11]

[Leukemia Mononuclear TGLs = 15-11]

* Mammary Gland

Alveolus

Galactocele

Hyperplasia

Lactation

Minimal

Mild

[Galactocele TGLs = 2-17A]

* Nose

Leukemia Mononuclear

* Peripheral Nerve, Sciatic

Axon

Degeneration

Minimal

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLs = 14-9B]

* Preputial Gland

Adenoma

[Adenoma TGLs = 4-7B]

* Prostate

Inflammation

Mild

* Spinal Cord, Cervical

Degeneration

Focal, Mild

Leukemia Mononuclear

* Spinal Cord, Lumbar

Nerve

Degeneration

Minimal

Leukemia Mononuclear

* Spinal Cord, Thoracic

Axon

Degeneration

Minimal

* Spleen

Accessory Spleen

Leukemia Mononuclear

[Accessory Spleen TGLs = 9-9A]

[Leukemia Mononuclear TGLs = 8,9-9+9A]

* Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Moderate

[Adenoma TGLs = 6,7-7C+7]

[Atrophy TGLs = 5-7+7C]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1842

TRT#: 1

SEX: Male

DAY ON TEST: 716

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701842

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1851

TRT#: 1

SEX: Male

DAY ON TEST: 541

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701851

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* 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	* Peripheral Nerve, Sciatic
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Epididymis		Hypospermia	Marked
		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLs = 5-7A]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8-17A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary GI			
Note: RC attempted			
* Pancreas		Leukemia Mononuclear	
Peritoneum	Tunica Vaginal	Mesothelioma Malignant	
	[Mesothelioma Malignant TGLs = 3-17]		
* Pituitary Gland		Angiectasis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1851

TRT#: 1

SEX: Male

DAY ON TEST: 541

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701851

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLs = 9-9]

* Prostate		Inflammation	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	

[Leukemia Mononuclear TGLs = 6-9A]

* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
		Mesothelioma Malignant	

Note: TGL 4 also located on slide 7 with the routine Testes

[Adenoma TGLs = 1-7]

[Atrophy TGLs = 2-7B]

[Mesothelioma Malignant TGLs = 4-7+7B]

* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL 3 - Noted grossly as Cavity, scrotal was Peritoneum, tunica vaginalis (the serous lining of the Scrotum)

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1852

TRT#: 1

SEX: Male

DAY ON TEST: 719

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701852

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Epididymis		Exfoliated Germ Cell	Mild
* Heart		Cardiomyopathy	Mild
Note: TGL 13 - NCL			
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
Note: TGL 9 - NCL			
Lymph Node			
Note: TGL 7 - Noted grossly as Lymph node, pancreatic was Pancreas			
Note: TGL 10 - NCL (Lymph node, mediastinal)			
* Mammary Gland		Lactation	Mild
Note: TGL 3 - Noted grossly as Mammary gland was Skin			
* Pancreas	Acinar Cell	Adenoma	
[Adenoma TGLs = 7-17]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 11-9B]			
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Moderate
[Ectasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1852

TRT#: 1

SEX: Male

DAY ON TEST: 719

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701852

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLs = 1-7]			
* Skin	Subcut Tiss	Basal Cell Carcinoma Hemangiosarcoma Keratoacanthoma	
[Basal Cell Carcinoma TGLs = 12-2C]			
[Hemangiosarcoma TGLs = 3-2B]			
[Keratoacanthoma TGLs = 2-2A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen	Red Pulp	Atrophy	Mild
[Atrophy TGLs = 8-9A]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 4,5,6-7B+7C+7D]			
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel C Cell	Adenoma Adenoma	
[Adenoma TGLs = 14-6]			

PRIMARY CAUSE OF DEATH - Skin Keratoacanthoma
CONTRIBUTORY CAUSE OF DEATH - Skin Subcut Tiss Hemangiosarcoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1911

TRT#: 5

SEX: Male

DAY ON TEST: 656

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500701911

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Angiectasis	Mild
Bone	Vertebra	Fracture	
[Fracture TGLs = 5-17]			
* Epididymis		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 4-9]			
* Preputial Gland		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLs = 1-7B]			
* Spinal Cord, Cervical	Nerve	Degeneration	Minimal
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 3-9]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLs = 2-7]			
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1912

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500701912

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Epididymis		Exfoliated Germ Cell	Marked
		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	
	[Thrombosis TGLs = 5-2]		
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Multiple
		Degeneration	Cystic, Minimal
		Granuloma	Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
* Pancreas		Polyarteritis	Moderate
* Pituitary Gland			
	Note: TGL 4 - NCL		
* Preputial Gland		Inflammation	Mild
	[Inflammation TGLs = 1-7]		
* Prostate		Inflammation	Mild
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1912

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500701912

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 2,3-7B+7C]			
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicle	Cyst	

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1921

TRT#: 5

SEX: Male

DAY ON TEST: 587

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500701921

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Prostate	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Atrophy	Mild
* Epididymis		Exfoliated Germ Cell	Moderate
		Hypospermia	Moderate
* Eye			
Note: TGL 7 - NCL			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 6-3]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Mild
[Ectasia TGLs = 1-7B]			
[Inflammation TGLs = 1-7B]			
* Seminal Vesicle		Decreased Secretory Fluid	Marked
[Decreased Secretory Fluid TGLs = 5-7A]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1921

TRT#: 5

SEX: Male

DAY ON TEST: 587

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500701921

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 4-9A]			
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
[Adenoma TGLs = 2,8-7]			
[Atrophy TGLs = 3-7]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1922

TRT#: 5

SEX: Male

DAY ON TEST: 485

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500701922

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Epididymis |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|-------------------|---|---------------------------|----------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Vacuolization Cytoplasmic | Mild |
| * Preputial Gland | | Squamous Cell Carcinoma | |
| | [Squamous Cell Carcinoma TGLs = 1-7B] | | |
| * Prostate | | Inflammation | Moderate |
| * Testes | Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 2-7C] | | |
| * Thymus | | Atrophy | Mild |

PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1931

TRT#: 5

SEX: Male

DAY ON TEST: 642

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500701931

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Atrophy	Marked
* Epididymis		Exfoliated Germ Cell	Mild
		Hypospermia	Marked
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8-2]		
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Degeneration	Cystic, Moderate
	[Degeneration TGLs = 1-17]		
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Leukemia Mononuclear	
	[Degeneration TGLs = 3-10+10A]		
	[Leukemia Mononuclear TGLs = 3-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Mild
* Pancreas	Acinar Cell	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1931

TRT#: 5

SEX: Male

DAY ON TEST: 642

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500701931

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland [Inflammation TGLs = 2-7]	Pars Distalis	Hyperplasia Inflammation	Mild Marked
* Sem Ves Note: TGL 9 - NCL			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen [Leukemia Mononuclear TGLs = 4-9]		Leukemia Mononuclear	
* Testes [Adenoma TGLs = 5,6-7+7B]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1932

TRT#: 5

SEX: Male

DAY ON TEST: 670

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500701932

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Peripheral Nerve, Sciatic | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Stomach, Glandular |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|-----------------------------|---------------|---------------------------|-------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Adren Medulla | | | |
| Note: TGL 2 - NCL | | | |
| * Epididymis | | Exfoliated Germ Cell | Moderate |
| * Eye | Sclera | Metaplasia | Osseous, Moderate |
| * Heart | | Cardiomyopathy | Moderate |
| * Int Sm Duoden | | | |
| Note: TGL 4 - NCL | | | |
| * Kidney | | Nephropathy | Marked |
| [Nephropathy TGLs = 3-8] | | | |
| * Liver | Bile Duct | Hyperplasia | Minimal |
| * Mammary Gland | | Lactation | Minimal |
| * Parathyroid Gland | | Hyperplasia | Focal, Marked |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Preputial Gland | | Inflammation | Moderate |
| [Inflammation TGLs = 1-7] | | | |
| * Prostate | | Inflammation | Minimal |
| * Spinal Cord, Lumbar | Nerve | Degeneration | Minimal |
| * Spinal Cord, Thoracic | Axon | Degeneration | Minimal |
| * Spleen | | Pigmentation | Moderate |
| * Stomach, Forestomach | | Edema | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1932

TRT#: 5

SEX: Male

DAY ON TEST: 670

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500701932

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstitial Cell	Hyperplasia	Mild
* Thymus		Hyperplasia	Minimal
* Thyroid Gland	C Cell	Atrophy	Moderate
		Adenoma	

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1941

TRT#: 5

SEX: Male

DAY ON TEST: 704

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500701941

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Epididymis		Exfoliated Germ Cell	Mild
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
	Atrium	Infarct	
		Thrombosis	
Note: TGL 10 - Noted grossly as Heart, left ventricle was Heart, right ventricle			
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Leukemia Mononuclear	
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Pancreas	Acinar Cell	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Carcinoma	
		Inflammation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1941

TRT#: 5

SEX: Male

DAY ON TEST: 704

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500701941

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLs = 1-7B]

[Inflammation TGLs = 2-7]

* Spinal Cord, Thoracic

Axon

Degeneration

Minimal

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 5,6-9+9A]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLs = 3,4-7+7C]

* Thymus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1942

TRT#: 5

SEX: Male

DAY ON TEST: 697

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500701942

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Blood Vessel | * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Mammary Gland |
| * Nose | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--------------------------|--|------------------------|----------------|
| * Adrenal Cortex | | Hypertrophy | Focal, Mild |
| * Adrenal Medulla | | Hyperplasia | Focal, Minimal |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| | Atrium | Thrombosis | |
| | [Thrombosis TGLs = 11-2] | | |
| * Kidney | | Nephropathy | Mild |
| | Note: TGL 8 - NCL | | |
| * Liver | | Hepatocellular Adenoma | |
| | | Leukemia Mononuclear | |
| | Note: TGL 9 - Noted grossly as Liver was Mesentery | | |
| | [Hepatocellular Adenoma TGLs = 16-3B] | | |
| | [Leukemia Mononuclear TGLs = 15-3] | | |
| * Lung | | Granuloma | Mild |
| | | Leukemia Mononuclear | |
| | [Granuloma TGLs = 12-4A] | | |
| | [Leukemia Mononuclear TGLs = 18-4] | | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 13-17A] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1942

TRT#: 5

SEX: Male

DAY ON TEST: 697

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500701942

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 2-10+10A]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 17-11]			
Mesentery		Accessory Spleen	
		Leukemia Mononuclear	
[Accessory Spleen TGLs = 9-3A]			
[Leukemia Mononuclear TGLs = 9-3A]			
* Pancreas	Acinar Cell	Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland			
Note: TGL 14 - NCL			
* Preputial Gland		Inflammation	Marked
[Inflammation TGLs = 1-7]			
* Prostate		Leukemia Mononuclear	
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Infarct	
		Leukemia Mononuclear	
[Infarct TGLs = 4-9A]			
[Leukemia Mononuclear TGLs = 3-9]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
[Adenoma TGLs = 5,6-7B+7]			
[Atrophy TGLs = 7-7]			
Tongue		Hyperplasia	Marked
[Hyperplasia TGLs = 10-17]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2061

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord, Cervical	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain, Brain Stem	Hypothalamus	Compression	Mild
[Compression TGLs = 10-1A]			
* Epididymis	Fat	Hypospermia	Marked
[Necrosis TGLs = 2-7B]		Necrosis	Moderate
* Harderian GI			
Note: TGL 9 - NCL			
* Heart		Cardiomyopathy	Mild
Note: TGL 8 - NCL			
* Kidney		Nephropathy	Moderate
[Nephropathy TGLs = 4-8]			
* Liver	Bile Duct	Granuloma	Minimal
Note: TGL 13 - NCL		Hyperplasia	Minimal
* Lym Node Mand	Renal	Degeneration	Cystic, Moderate
Note: TGL 1 - NCL	Lumbar	Degeneration	Cystic, Moderate
Lymph Node		Hyperplasia	Lymphoid, Mild
[Degeneration TGLs = 5-17]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2061

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702061

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLs = 6-17A]			
[Hyperplasia TGLs = 7-17B]			
* Mammary Gland		Lactation	Mild
Mesentery			
Note: TGL 7 - Noted grossly as Mesentery was Lymph node			
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 11-9A]			
* Prostate		Inflammation	Moderate
* Sem Ves			
Note: TGL 3 - NCL			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLs = 12-2A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLs = 14-7]			
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicle	Cyst	
	C Cell	Hyperplasia	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2062

TRT#: 4

SEX: Male

DAY ON TEST: 695

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Blood Vessel | * Brain, Brain Stem | * Brain, Cerebellum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--|--------------------------------------|------------------------|---------------|
| * Adrenal Medulla | | Hyperplasia | Focal, Marked |
| * Bone, Femur | | Fibrous Osteodystrophy | Mild |
| * Bone Marrow | | Atrophy | Mild |
| * Brain, Cerebrum | | Necrosis | Focal, Marked |
| * Epididymis | | Hypospermia | Marked |
| Note: TGL 6 - NCL | | | |
| * Heart | Atrium | Cardiomyopathy | Mild |
| | | Thrombosis | |
| | [Thrombosis TGLs = 15-2] | | |
| * Kidney | | Infarct | Moderate |
| | | Nephropathy | Mild |
| | [Infarct TGLs = 9-8] | | |
| * Liver | | Leukemia Mononuclear | |
| Note: Numerous lesions secondary to MCL including vacuolization cytoplasmic, hyperplasia of bile ducts and oval cells were observed. | | | |
| | [Leukemia Mononuclear TGLs = 10-3] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Axillary | Hemorrhage | Mild |
| | Mediastinal | Hemorrhage | Mild |
| | [Hemorrhage TGLs = 3-17] | | |
| | [Hemorrhage TGLs = 14-17A] | | |
| * Mammary Gland | | Lactation | Mild |
| Note: TGL 2 - Noted grossly as Mammary gland was Skin | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2062

TRT#: 4

SEX: Male

DAY ON TEST: 695

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702062

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 12,13-9A]		
* Preputial Gland		Inflammation	Moderate
* Prostate		Inflammation	Moderate
* Seminal Vesicle		Atrophy	Mild
	[Atrophy TGLs = 7-7A]		
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLs = 2-2B]	Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLs = 1-2A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 4,5-7B+7]		
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL 11 - NST (Cavity, thoracic, fluid)

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2071

TRT#: 4

SEX: Male

DAY ON TEST: 597

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Parathyroid Gland |
| * Pituitary Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--------------------------------------|-------------|----------------------|--------------|
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Blood Vessel | | | |
| Note: Aorta attached to Heart | | | |
| * Epididymis | | Hypospermia | Marked |
| * Kidney | | Nephropathy | Mild |
| Note: TGL 7 - NCL | | | |
| * Liver | | Degeneration | Cystic, Mild |
| | | Eosinophilic Focus | Multiple |
| | | Leukemia Mononuclear | |
| [Eosinophilic Focus TGLs = 8-3] | | | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 9-17] | | | |
| * Pancreas | | Leukemia Mononuclear | |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Preputial Gland | | Inflammation | Mild |
| [Inflammation TGLs = 1-7] | | | |
| * Sem Ves | | | |
| Note: TGL 4 - NCL | | | |
| * Spleen | | Infarct | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2071

TRT#: 4

SEX: Male

DAY ON TEST: 597

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702071

ORGAN AND ACCOUNTABLE SITE STATUS

Leukemia Mononuclear

[Infarct TGLs = 6-9A]

[Leukemia Mononuclear TGLs = 5-9A]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLs = 2,3-7B+7]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2072

TRT#: 4

SEX: Male

DAY ON TEST: 534

DOSE: 0.0875 ACRYL

DISP: Natural Death

HISTO: 021500702072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Stomach, Forestomach | * Testes |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--------------------------------------|---------------|---------------------------|-------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Minimal |
| * Brain, Brain Stem | Hypothalamus | Compression | Moderate |
| [Compression TGLs = 8-1A] | | | |
| * Brain, Cerebellum | | Leukemia Mononuclear | |
| * Brain, Cerebrum | Ventricle | Dilatation | Mild |
| * Epididymis | | Exfoliated Germ Cell | Mild |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Mild |
| Note: TGL 6 - NCL | | | |
| * Liver | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 5-3] | | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 7-10] | | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Mammary Gland | | Galactocele | |
| [Galactocele TGLs = 1-2A] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLs = 9-9A] | | | |
| * Preputial Gland | Duct | Ectasia | Moderate |
| | | Inflammation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2072

TRT#: 4

SEX: Male

DAY ON TEST: 534

DOSE: 0.0875 ACRYL

DISP: Natural Death

HISTO: 021500702072

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Inflammation	Mild
* Seminal Vesicle [Decreased Secretory Fluid TGLs = 4-7A]	Decreased Secretory Fluid	Mild
* Skin Note: TGL 1 - Noted grossly as Skin was Mammary gland		
* Spinal Cord, Lumbar Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic Axon	Degeneration	Minimal
* Spleen [Leukemia Mononuclear TGLs = 3-9]	Leukemia Mononuclear	
* Stomach, Glandular [Inflammation TGLs = 10-12A]	Inflammation	Moderate
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: TGL 2 - NST (Cavity, abdominal, fluid)

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2081

TRT#: 4

SEX: Male

DAY ON TEST: 647

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Lumbar	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex Note: TGL 6 - NCL		Vacuolization Cytoplasmic	Moderate
* Adren Medulla Note: TGL 6 - NCL			
* Brain, Brain Stem [Compression TGLs = 5-1A]	Hypothalamus	Compression	Moderate
* Brain, Cerebrum	Ventricle	Dilatation	Mild
* Epididymis		Exfoliated Germ Cell	Marked
* Heart		Cardiomyopathy	Mild
* Int Lg Colon Note: TGL 8 - NCL			
* Int Lg Rectum Note: TGL 10 - NCL			
* Int Sm Duoden Note: TGL 7 - NCL			
* Int Sm Ileum Note: TGL 9 - NCL			
* Int Sm Jejunum Note: TGL 11 - NCL			
* Kidney [Nephropathy TGLs = 2-8]		Nephropathy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2081

TRT#: 4

SEX: Male

DAY ON TEST: 647

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702081

ORGAN AND ACCOUNTABLE SITE STATUS

* Liver		Vacuolization Cytoplasmic	Moderate
	[Vacuolization Cytoplasmic TGLs = 3-3A]		
* Mammary Gland		Galactocele	
* Pancreas	Acinar Cell	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4-9]		
* Preputial Gland		Inflammation	Moderate
	[Inflammation TGLs = 1-7]		
* Prostate		Inflammation	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen	Red Pulp	Atrophy	Moderate
		Pigmentation	Moderate
* Stomach, Forestomach		Edema	Marked
	[Edema TGLs = 12-12]		
	[Hyperplasia TGLs = 12-12]		
* Stomach, Glandular		Edema	Marked
	[Edema TGLs = 13-12]		
* Testes	Interstit Cell	Adenoma	
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2082

TRT#: 4

SEX: Male

DAY ON TEST: 452

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Brain, Brain Stem	Hypothalamus	Compression	Marked
	Ventricle	Dilatation	Mild
	[Compression TGLs = 4-1]		
* Brain, Cerebrum		Hydrocephalus	Mild
* Epididymis		Exfoliated Germ Cell	Moderate
		Hypospermia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Vacuolization Cytoplasmic	Moderate
* Lung			
	Note: TGL 2 - NCL		
* Mammary Gland		Lactation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-9]		
* Preputial Gland		Inflammation	Moderate
* Prostate		Inflammation	Moderate
* Seminal Vesicle		Decreased Secretory Fluid	Mild
	[Decreased Secretory Fluid TGLs = 1-7A]		
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach		Inflammation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2082

TRT#: 4

SEX: Male

DAY ON TEST: 452

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702082

ORGAN AND ACCOUNTABLE SITE STATUS

Ulcer

Moderate

[Inflammation TGLs = 6-12A]

[Ulcer TGLs = 6-12A]

* Stomach, Glandular

Edema

Moderate

[Edema TGLs = 5-12]

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2091

TRT#: 4

SEX: Male

DAY ON TEST: 701

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Epididymis		Exfoliated Germ Cell	Mild
		Hypospermia	Marked
* Heart	Atrium	Leukemia Mononuclear	
		Thrombosis	
	[Thrombosis TGLs = 8-2]		
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-3]		
* Lung		Leukemia Mononuclear	
Lymph Node			
	Note: TGL 2 - Noted grossly as Lymph node, pancreatic was Pancreas		
	Note: Theres no Lymph node, pancreatic located on slide 17, only normal Pancreas.		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 9-10+10A]		
* Mammary Gland		Lactation	Minimal
* Pancreas			
	Note: TGL 2 - NCL		
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Moderate
* Prostate		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2091

TRT#: 4

SEX: Male

DAY ON TEST: 701

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702091

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-9]		
* Stomach, Forestomach		Hyperplasia	Mild
	[Hyperplasia TGLs = 13-12A]		
* Testes	Interstit Cell	Adenoma	
		Granuloma Sperm	
	Interstit Cell	Hyperplasia	Moderate
Note: TGL 4 also located on slide 7F submitted at WT review			
	[Adenoma TGLs = 3,11-7+7D]		
	[Granuloma Sperm TGLs = 10-7C]		
	[Hyperplasia TGLs = 4,12-7B+7E+7F]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Carcinoma	
	[Carcinoma TGLs = 7-6]		
Tongue		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 6-17A]		

PRIMARY CAUSE OF DEATH - Tongue Squamous Cell Papilloma

CONTRIBUTORY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2092

TRT#: 4

SEX: Male

DAY ON TEST: 688

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Cerebellum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Brain, Brain Stem	Hypothalamus	Compression	Mild
	[Compression TGLs = 12-1A]		
* Brain, Cerebrum	Ventricle	Dilatation	Mild
		Thrombosis	Mild
* Epididymis		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLs = 8-8]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 14,15-3A+3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 10-17]		
	[Leukemia Mononuclear TGLs = 11-17A]		
* Lymph Node, Mandibular		Degeneration	Cystic, Moderate
		Leukemia Mononuclear	
	[Degeneration TGLs = 3-10+10A]		
	[Leukemia Mononuclear TGLs = 3-10+10A]		
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2092

TRT#: 4

SEX: Male

DAY ON TEST: 688

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702092

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLs = 2-2A]			
* Pancreas	Acinar Cell	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 13-9B]			
* Preputial Gland		Inflammation	Moderate
[Inflammation TGLs = 1-7]			
* Prostate		Inflammation	Moderate
* Seminal Vesicle		Atrophy	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Infarct	
		Leukemia Mononuclear	
[Infarct TGLs = 5-9A]			
[Leukemia Mononuclear TGLs = 4-9]			
* Stomach, Forestomach		Edema	Mild
		Hyperplasia	Moderate
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
[Adenoma TGLs = 7-7]			
[Atrophy TGLs = 6-7]			
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Adenoma	
[Adenoma TGLs = 9-6]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2141

TRT#: 2

SEX: Male

DAY ON TEST: 529

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Peripheral Nerve, Sciatic
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Epididymis		Exfoliated Germ Cell	Mild
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 9-17]		
	[Leukemia Mononuclear TGLs = 10-17A]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-11]		
* Mammary GI			
Note: RC attempted			
* Pancreas		Leukemia Mononuclear	
* Parathyroid GI			
Note: No RC per pathologist			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2141

TRT#: 2

SEX: Male

DAY ON TEST: 529

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702141

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLs = 11-9A]			
* Preputial Gland		Inflammation	Moderate
[Inflammation TGLs = 1-7]			
* Prostate		Inflammation	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Infarct Leukemia Mononuclear	
[Infarct TGLs = 4-9]			
[Leukemia Mononuclear TGLs = 3-9]			
* Stom Gland			
Note: TGL 6 - NCL			
* Testes	Bilateral, Interstit Cell	Adenoma	
Note: WT requested for TGL 2 located on slides 7C and 7D			
[Adenoma TGLs = 2-7B+7C+7D]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicle	Cyst	
[Cyst TGLs = 12-6]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2142

TRT#: 2

SEX: Male

DAY ON TEST: 548

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebrum	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain, Brain Stem		Leukemia Mononuclear	
* Brain, Cerebellum		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-10B]		
	[Leukemia Mononuclear TGLs = 9-17]		
	[Leukemia Mononuclear TGLs = 10-17A]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-11]		
* Pancreas		Leukemia Mononuclear	

Note: TGL 5 - Noted grossly as Pancreas was Lymph node, pancreatic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2142

TRT#: 2

SEX: Male

DAY ON TEST: 548

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702142

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland

Inflammation

Marked

[Inflammation TGLs = 1-7B]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 3,4,6-9+9A+9B]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2151

TRT#: 2

SEX: Male

DAY ON TEST: 717

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle |
| * Spinal Cord, Lumbar | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---|--|-------------------------|------------------|
| * Adrenal Cortex | | Hyperplasia | Focal, Mild |
| * Epididymis | | Exfoliated Germ Cell | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | [Eosinophilic Focus TGLs = 7-3A] | | |
| | [Leukemia Mononuclear TGLs = 8,9-3B+3] | | |
| * Lung | | Leukemia Mononuclear | |
| * Lym Node Mesen | | | |
| Note: TGL 10 - NCL | | | |
| * Lymph Node, Mandibular | | Degeneration | Cystic, Moderate |
| [Degeneration TGLs = 2-10A] | | | |
| * Mammary Gland | | Lactation | Mild |
| Note: TGL 1 - Noted grossly as Mammary gland was Skin | | | |
| Oral Mucosa | | Squamous Cell Carcinoma | |
| [Squamous Cell Carcinoma TGLs = 11-17] | | | |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLs = 6-9A] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2151

TRT#: 2

SEX: Male

DAY ON TEST: 717

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702151

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland [Ectasia TGLs = 3-7]	Duct	Ectasia	Moderate
* Prostate		Inflammation	Minimal
* Skin [Fibroma TGLs = 1-2A]	Subcut Tiss	Fibroma	
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen [Leukemia Mononuclear TGLs = 5-9]		Leukemia Mononuclear	
* Testes [Adenoma TGLs = 4-7B]	Interstit Cell	Adenoma	
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL 11 - Noted grossly as Cavity, oral was Oral mucosa

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2152

TRT#: 2

SEX: Male

DAY ON TEST: 619

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Angiectasis	Mild
* Brain, Brain Stem	Hypothalamus	Compression	Moderate
[Compression TGLs = 9-1A]			
* Brain, Cerebrum	Ventricle	Dilatation	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
		Pigmentation	Moderate
* Lung			
Note: TGL 8 - NCL			
* Lymph Node, Mandibular		Degeneration	Cystic, Moderate
		Hyperplasia	Lymphoid, Moderate
Note: TGL 1 was written up as bilateral but one side was Degeneration and the other was Hyperplasia			
[Degeneration TGLs = 1-10]			
[Hyperplasia TGLs = 1-10A]			
* Mammary Gland		Galactocele	
		Lactation	Mild
[Galactocele TGLs = 2-2A]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLs = 5-17]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2152

TRT#: 2

SEX: Male

DAY ON TEST: 619

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702152

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 10-9B]			
* Preputial Gland		Inflammation	Marked
[Inflammation TGLs = 4-7B]			
[Squamous Cell Carcinoma TGLs = 3-7]			
* Prostate		Inflammation	Moderate
[Inflammation TGLs = 6-7C]			
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Accessory Spleen	
[Accessory Spleen TGLs = 7-9A]			
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2161

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain, Brain Stem	Hypothalamus	Compression	Mild
	[Compression TGLs = 15-1A]		
* Epididymis		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
	Atrium	Leukemia Mononuclear	
	[Thrombosis TGLs = 10-2]	Thrombosis	
* Islets, Pancreatic		Adenoma	
	[Adenoma TGLs = 8-17]		
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLs = 9-8]		
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: TGL 14 - NCL			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Degeneration	Cystic, Mild
	Mediastinal	Hemorrhage	Mild
Note: TGL 8 - Noted grossly as Lymph node, pancreatic was Islets pancreas			
	[Degeneration TGLs = 11-17A]		
	[Hemorrhage TGLs = 11-17A]		
* Mammary Gland		Galactocele	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2161

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702161

ORGAN AND ACCOUNTABLE SITE STATUS

Lactation

Moderate

Note: Both Squamous cell papilloma and Galactocoele were present in specimen submitted as TGL 16.

Note: TGL 2 - Noted grossly as Mammary gland was Skin, subcutaneous tissue

Note: TGL 3 - Noted grossly as Mammary gland was Skin

[Galactocoele TGLs = 16-2D]

* Peripheral Nerve, Sciatic

Axon

Degeneration

Minimal

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLs = 13-9]

* Preputial Gland

Inflammation

Mild

[Inflammation TGLs = 1-7]

* Prostate

Inflammation

Mild

* Skin

Subcut Tiss

Fibroma

Subcut Tiss

Hemangiosarcoma

Subcut Tiss

Metaplasia

Osseous, Mild

Squamous Cell Papilloma

Note: TGL 16 - Noted grossly as Skin was both Skin and Mammary gland

[Fibroma TGLs = 12-2C]

[Hemangiosarcoma TGLs = 3-2B]

[Metaplasia TGLs = 2-2A]

[Squamous Cell Papilloma TGLs = 16-2D]

* Spinal Cord, Cervical

Axon

Degeneration

Minimal

* Spinal Cord, Lumbar

Nerve

Degeneration

Minimal

* Spinal Cord, Thoracic

Axon

Degeneration

Minimal

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 7-9A]

* Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Marked

[Adenoma TGLs = 5,6-7]

[Atrophy TGLs = 4-7]

* Thymus

Atrophy

Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2162

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* 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	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Stomach, Forestomach
* Stomach, Glandular	Tongue	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain, Brain Stem		Carcinoma	Metastatic (Uncertain Primary Site)
		Hemorrhage	Mild
* Epididymis		Hypospermia	Marked
		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma	
		Leukemia Mononuclear	
	[Hepatocellular Adenoma TGLs = 9-3A]		
	[Leukemia Mononuclear TGLs = 16-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8-17]		
	[Leukemia Mononuclear TGLs = 12-17B]		
* Lymph Node, Mandibular		Degeneration	Cystic, Marked
		Leukemia Mononuclear	
	[Degeneration TGLs = 2-10+10A]		
	[Leukemia Mononuclear TGLs = 2-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2162

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702162

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 15-11]			
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLs = 1-2A]			
* Nose		Inflammation	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 14-9]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLs = 3-7B]			
* Prostate		Inflammation	Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Infarct	
		Leukemia Mononuclear	
[Infarct TGLs = 7-9A]			
[Leukemia Mononuclear TGLs = 6-9A]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 4,5-7]			
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLs = 10-6]			
Tongue			
Note: TGL 11 - NCL			
Zymbal's Gland		Carcinoma	
[Carcinoma TGLs = 13-17C]			

Animal Note: TGL 11 - Noted grossly as Cavity, oral was Tongue

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2171

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---|---------------|-----------------------|------------------|
| * Epididymis | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| Note: TGL 12 - NCL | | | |
| * Kidney | | Nephropathy | Moderate |
| [Nephropathy TGLs = 7-8] | | | |
| * Liver | | Leukemia Mononuclear | |
| Note: TGL 10 - NCL | | | |
| [Leukemia Mononuclear TGLs = 8-3] | | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| [Infiltration Cellular TGLs = 11-4] | | | |
| * Lymph Node, Mandibular | | Degeneration | Cystic, Mild |
| Note: Slide 10 is normal Lymph node, mandibular | | | |
| [Degeneration TGLs = 1-10A] | | | |
| * Lymph Node, Mesenteric | | Degeneration | Cystic, Mild |
| * Mammary Gland | Alveolus | Hyperplasia | Mild |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLs = 9-9] | | | |
| * Preputial Gland | | Inflammation | Mild |
| [Inflammation TGLs = 2-7] | | | |
| * Prostate | | Inflammation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2171

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702171

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle [Atrophy TGLs = 5-7A]		Atrophy	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen [Leukemia Mononuclear TGLs = 6-9]		Leukemia Mononuclear	
* Testes [Adenoma TGLs = 3,4-7+7B]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2172

TRT#: 2

SEX: Male

DAY ON TEST: 683

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Epididymis		Exfoliated Germ Cell	Moderate
		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	
	[Thrombosis TGLs = 8-2]		
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Lumbar	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-17]		
	[Leukemia Mononuclear TGLs = 6-17A]		
	[Leukemia Mononuclear TGLs = 7-17B]		
* Mammary Gland		Lactation	Mild
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 9-9A]		
* Preputial Gland		Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2172

TRT#: 2

SEX: Male

DAY ON TEST: 683

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702172

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Carcinoma TGLs = 1-7B]

* Prostate		Inflammation	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	

[Leukemia Mononuclear TGLs = 4-9]

* Testes	Bilateral, Interstit Cell	Adenoma	
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[Adenoma TGLs = 2,3-7+7C]

* Thymus		Atrophy	Mild
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PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2181

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Adrenal Medulla		Angiectasis	Mild
* Epididymis		Exfoliated Germ Cell	Minimal
		Hypospermia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Granuloma	Mild
	Bile Duct	Hyperplasia	Mild
* Mammary Gland		Lactation	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5,6-9A]		
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Moderate
* Sem Ves			
	Note: TGL 4 - NCL		
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLs = 1-2A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2181

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702181

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 2,3-7]

* Thymus

Atrophy

Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2182

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Brain, Brain Stem		Hemorrhage	Minimal
* Brain, Cerebrum	Perivascular	Infiltration Cellular	Mixed Cell, Focal, Minimal
* Epididymis		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLs = 5-8]			
* Liver	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
Lymph Node	Medulla, Renal, Sinus	Dilatation	Mild
	Renal	Hyperplasia	Lymphoid, Mild
Note: TGL 8 - Noted grossly as Lymph node, pancreatic was Pancreas			
[Dilatation TGLs = 6-17]			
[Hyperplasia TGLs = 6-17]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLs = 2-10+10A]			
[Infiltration Cellular TGLs = 2-10+10A]			
Mesentery	Fat	Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2182

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702182

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLs = 9-17B]
* Pancreas Accessory Spleen
[Accessory Spleen TGLs = 8-17A]
* Parathyroid GI
Note: TGL 10 - Noted grossly as Parathyroid gland was Thyroid gland
* Prostate Inflammation Mild
* Skin Keratoacanthoma
[Keratoacanthoma TGLs = 1-2A]
* Spinal Cord, Cervical Axon Degeneration Minimal
* Spinal Cord, Lumbar Nerve Degeneration Minimal
* Spinal Cord, Thoracic Axon Degeneration Minimal
* Spleen Infarct
Pigmentation Moderate
[Infarct TGLs = 7-9A]
* Testes Bilateral, Interstit Cell Adenoma
[Adenoma TGLs = 3,4-7]
* Thymus
Note: RC attempted
* Thyroid Gland C Cell Adenoma
Follicular Cel Carcinoma
[Carcinoma TGLs = 10-6]

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2191

TRT#: 3

SEX: Male

DAY ON TEST: 534

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Mild
* Brain, Brain Stem		Leukemia Mononuclear	
* Epididymis		Exfoliated Germ Cell	Mild
* Heart		Leukemia Mononuclear	
	Atrium	Thrombosis	
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Degeneration	Cystic, Mild
	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Degeneration TGLs = 7-10A]		
	[Leukemia Mononuclear TGLs = 5-17]		
	[Leukemia Mononuclear TGLs = 9-17A]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
	[Infiltration Cellular TGLs = 1-10]		
* Mammary Gland		Galactocele	
* Pancreas			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2191

TRT#: 3

SEX: Male

DAY ON TEST: 534

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702191

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 7 - Noted grossly as Pancreas was Lymph node, pancreatic

* Pituitary Gland

Pars Distalis

Adenoma

Leukemia Mononuclear

[Adenoma TGLs = 6-9B]

* Preputial Gland

Inflammation

Moderate

* Prostate

Inflammation

Mild

* Sem Ves

Note: TGL 8 - NCL

* Spinal Cord, Cervical

Axon

Degeneration

Minimal

* Spinal Cord, Thoracic

Axon

Degeneration

Minimal

* Spleen

Infarct

Leukemia Mononuclear

[Infarct TGLs = 3-9A]

[Leukemia Mononuclear TGLs = 2-9]

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2192

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Cerebellum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Adrenal Medulla		Angiectasis	Minimal
* Brain, Brain Stem	Hypothalamus	Compression	Moderate
[Compression TGLs = 8-1A]			
* Brain, Cerebrum	Ventricle	Dilatation	Mild
* Epididymis		Hypospermia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLs = 6-8]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 10,11-3+3A]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Marked
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 9-9A]			
* Preputial Gland		Inflammation	Moderate
[Inflammation TGLs = 7-7]			
* Prostate		Inflammation	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2192

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702192

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen	Nerve	Degeneration	Minimal
	[Leukemia Mononuclear TGLs = 5-9]	Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	[Adenoma TGLs = 2,3,4-7+7B]		
	[Atrophy TGLs = 1-7]		
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2201

TRT#: 3

SEX: Male

DAY ON TEST: 537

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Cerebellum
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Pheochromocytoma Malignant	
	[Pheochromocytoma Malignant TGLs = 3-9]		
* Brain, Brain Stem	Hypothalamus	Compression	Moderate
	[Compression TGLs = 5-1]		
* Brain, Cerebrum	Ventricle	Dilatation	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
	Note: WT requested for TGL 6 located on slide 8B		
	[Nephropathy TGLs = 6,8-8A+8B+8]		
* Liver		Granuloma	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Degeneration	Cystic, Moderate
		Infiltration Cellular	Plasma Cell, Mild
	[Degeneration TGLs = 7-10+10A]		
	[Infiltration Cellular TGLs = 7-10+10A]		
* Mammary Gland		Galactocele	
	[Galactocele TGLs = 2-2A]		
* Pancreas	Acinar Cell	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2201

TRT#: 3

SEX: Male

DAY ON TEST: 537

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702201

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 4-9A]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLs = 1-7B]			
* Prostate		Inflammation	Mild
* Skin			
Note: TGL 2 - Noted grossly as Skin was Mammary gland			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Preputial Gland Carcinoma
CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2202

TRT#: 3

SEX: Male

DAY ON TEST: 550

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle | * Skin |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|---|------------|-----------------------|---------------------|
| * Adrenal Medulla | | Angiectasis | Minimal |
| | | Hyperplasia | Focal, Mild |
| * Epididymis | | Exfoliated Germ Cell | Mild |
| | | Hypospermia | Mild |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Granuloma | Mild |
| Note: TGL 6 - NCL | | | |
| * Lung | | Granuloma | Minimal |
| Lymph Node | Pancreatic | Hyperplasia | Lymphoid, Mild |
| [Hyperplasia TGLs = 8-17] | | | |
| * Lymph Node, Mesenteric | | Degeneration | Cystic, Moderate |
| [Degeneration TGLs = 7-11] | | | |
| Mesentery | | | |
| Note: TGL 8 - Noted grossly as Mesentery was Lymph node, pancreatic | | | |
| * Pituitary Gl | | | |
| Note: TGL 9 - NCL | | | |
| * Preputial Gland | | Carcinoma | |
| [Carcinoma TGLs = 1-7B] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2202

TRT#: 3

SEX: Male

DAY ON TEST: 550

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702202

ORGAN AND ACCOUNTABLE SITE STATUS

* Sem Ves

Note: TGL 5 - NCL

* Spinal Cord, Cervical

Axon

Degeneration

Minimal

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLs = 2,3,4-7C+7D]

* Thymus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2211

TRT#: 3

SEX: Male

DAY ON TEST: 599

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Thoracic | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--------------------------|-------------------|----------------------|----------|
| * Bone Marrow | | Atrophy | Moderate |
| * Epididymis | | Exfoliated Germ Cell | Mild |
| | | Hypospermia | Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| Note: TGL 8 - NCL | | | |
| * Liver | | Leukemia Mononuclear | |
| [Leukemia Mononuclear | TGLs = 9-3] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |
| [Leukemia Mononuclear | TGLs = 7-17] | | |
| [Leukemia Mononuclear | TGLs = 10-17A] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| [Leukemia Mononuclear | TGLs = 1-10+10A] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Mammary GI | | | |
| Note: WT attempted | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2211

TRT#: 3

SEX: Male

DAY ON TEST: 599

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702211

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Atrophy	Mild
* Seminal Vesicle		Atrophy	Mild
[Atrophy TGLs = 5-7A]			
* Spinal Cord, Cervical		Hemorrhage	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Infarct	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 6-9]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
[Adenoma TGLs = 2,4-7+7B]			
[Atrophy TGLs = 3-7]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2212

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Marked
* Epididymis		Hypospermia	Marked
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
Note: TGL 11 - NCL			
* Intestine Large, Colon	Lymphoid Tiss	Hyperplasia	Moderate
* Kidney		Nephropathy	Moderate
[Nephropathy TGLs = 7-8]			
* Liver		Degeneration	Cystic, Mild
		Hepatocellular Adenoma	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hepatocellular Adenoma TGLs = 15-3D]			
[Hepatodiaphragmatic Nodule TGLs = 8-3]			
[Leukemia Mononuclear TGLs = 9,13,14-3A+3B+3C]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 5-17]			
[Leukemia Mononuclear TGLs = 12-17A]			
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2212

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702212

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 2-10+10A]		
* Mammary Gland		Galactoceles
* Nose		Inflammation Mild
* Pituitary Gland	Pars Distalis	Adenoma
[Adenoma TGLs = 10-9]		
* Preputial Gland		Squamous Cell Carcinoma
[Squamous Cell Carcinoma TGLs = 1-7B]		
* Prostate		Inflammation Mild
* Spinal Cord, Cervical	Axon	Degeneration Minimal
* Spinal Cord, Lumbar	Axon	Degeneration Minimal
	Nerve	Degeneration Minimal
* Spinal Cord, Thoracic		Hemorrhage Focal, Minimal
* Spleen		Infarct
		Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 3,4-9+9A]		
* Testes	Interstit Cell	Adenoma
[Adenoma TGLs = 6-7C]		
* Thymus		Atrophy Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2261

TRT#: 5

SEX: Male

DAY ON TEST: 537

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500702261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Exfoliated Germ Cell	Mild
		Hypospermia	Marked
* Heart	Atrium	Thrombosis	
	[Thrombosis TGLs = 7,8-2A]		
* Kidney		Nephropathy	Mild
* Liver		Granuloma	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Inguinal	Degeneration	Cystic, Mild
	Lumbar	Degeneration	Cystic, Mild
	Inguinal	Infiltration Cellular	Plasma Cell, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
	[Degeneration TGLs = 2-17]		
	[Degeneration TGLs = 6-17A]		
	[Infiltration Cellular TGLs = 2-17]		
	[Infiltration Cellular TGLs = 6-17A]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2261

TRT#: 5

SEX: Male

DAY ON TEST: 537

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500702261

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma	TGLs = 1-7B]		
* Prostate		Inflammation	Minimal
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation	TGLs = 5-9]		
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
[Adenoma	TGLs = 3-7C]		
[Atrophy	TGLs = 4-7]		

PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2262

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Epididymis		Exfoliated Germ Cell	Moderate
		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Angiectasis	Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Parathyroid GI			
Note: No RC per pathologist			
Note: TGL 6 - Noted grossly as Parathyroid gland was Thyroid gland			
* Pituitary GI			
Note: TGL 8 - NCL			
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Mild

[Ectasia TGLs = 1-7B]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2262

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702262

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLs = 1-7B]			
* Prostate		Inflammation	Moderate
* Seminal Vesicle		Atrophy	Moderate
[Atrophy TGLs = 7-7A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 2-9A]			
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
[Adenoma TGLs = 4,5-7]			
[Atrophy TGLs = 3-7]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLs = 6-6]			

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2271

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Epididymis		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Moderate
	[Hyperplasia TGLs = 9-12A]		
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 6-8]		
* Liver		Basophilic Focus	Multiple
		Hematopoietic Cell Proliferation	Mild
		Vacuolization Cytoplasmic	Mild
Note: TGL 5 - NCL			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 7-4A]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Marked
		Lactation	Mild
* Pancreas	Acinar Cell	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 8-9A]		
* Preputial Gland		Carcinoma	
		Inflammation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2271

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702271

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLs = 1-7B]			
[Inflammation TGLs = 1-7B]			
* Prostate		Inflammation	Mild
* Seminal Vesicle		Atrophy	Mild
[Atrophy TGLs = 4-7A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 2,3-7]			
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

Note: TGL 10 - NCL

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2272

TRT#: 5

SEX: Male

DAY ON TEST: 516

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500702272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Prostate | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------|---|---------------------------|----------|
| * Adrenal Cortex | | Atrophy | Moderate |
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Epididymis | | Exfoliated Germ Cell | Moderate |
| | | Granuloma Sperm | Mild |
| | | Hypospermia | Mild |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Angiectasis | Moderate |
| * Pituitary Gland | Pars Distalis | Cyst | |
| | [Cyst TGLs = 3-9A] | | |
| * Preputial Gland | | Inflammation | Moderate |
| * Seminal Vesicle | | Decreased Secretory Fluid | Marked |
| | [Decreased Secretory Fluid TGLs = 1-7A] | | |
| * Spleen | | Sarcoma | |
| | [Sarcoma TGLs = 2-9] | | |
| * Thymus | | Atrophy | Moderate |

PRIMARY CAUSE OF DEATH - Spleen Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2281

TRT#: 5

SEX: Male

DAY ON TEST: 683

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500702281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Parathyroid Gland |
| * Seminal Vesicle | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--|---------------|----------------------|----------|
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | | Exfoliated Germ Cell | Mild |
| | | Hypospermia | Marked |
| * Heart | | Leukemia Mononuclear | |
| Note: TGL 21 - NCL | | | |
| Note: The observation recorded as TGL 21 was a post mortem clot. | | | |
| * Intestine Large, Colon | | Leukemia Mononuclear | |
| * Islets, Pancreatic | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| * Liver | | Leukemia Mononuclear | |
| [Leukemia Mononuclear | TGLs = 10-3] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Inguinal | Leukemia Mononuclear | |
| | Axillary | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| | Lumbar | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Deep Cervical | Leukemia Mononuclear | |
| | Popliteal | Leukemia Mononuclear | |
| [Leukemia Mononuclear | TGLs = 2-17] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2281

TRT#: 5

SEX: Male

DAY ON TEST: 683

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500702281

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear	TGLs = 3-17A]		
[Leukemia Mononuclear	TGLs = 9-17B]		
[Leukemia Mononuclear	TGLs = 11-17C]		
[Leukemia Mononuclear	TGLs = 12-17D]		
[Leukemia Mononuclear	TGLs = 13-17E]		
[Leukemia Mononuclear	TGLs = 15-17F]		
[Leukemia Mononuclear	TGLs = 16-17G]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 4-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 18-11]		
* Mammary Gland		Leukemia Mononuclear	
* Nose		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLs = 17-9B]			
* Preputial Gland		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 1-7B]		
* Prostate		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 7,8-9+9A]		
* Stomach, Forestomach		Edema	Moderate
[Edema TGLs = 19-12A]			
* Stom Gland			
Note: TGL 20 - NCL			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
[Adenoma TGLs = 5-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2281

TRT#: 5

SEX: Male

DAY ON TEST: 683

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500702281

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLs = 6-7]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 14-10]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2282

TRT#: 5

SEX: Male

DAY ON TEST: 691

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500702282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Benign TGLs = 6-9]		Pheochromocytoma Benign	
* Brain, Brain Stem		Gliosis	Focal, Minimal
* Epididymis		Exfoliated Germ Cell	Moderate
		Hypospermia	Marked
* Heart [Thrombosis TGLs = 10-2A]	Atrium	Thrombosis	
* Kidney		Nephropathy	Marked
* Liver	Centrilobular	Necrosis	Mild
		Vacuolization Cytoplasmic	Mild
Note: Histologic changes suggest heart failure. [Necrosis TGLs = 5-3]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Note: Pigmented alveolar macrophages suggest heart failure.			
Lymph Node			
Note: Gross observations recorded as TGL 11 were post mortem changes.			
Note: TGL 11 - NCL (Lymph node, mediastinal)			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2282

TRT#: 5

SEX: Male

DAY ON TEST: 691

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500702282

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 8,9-9A]			
* Preputial Gland		Inflammation	Mild
[Inflammation TGLs = 1-7]			
* Prostate		Inflammation	Moderate
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
[Adenoma TGLs = 2,4-7+7B]			
[Atrophy TGLs = 3-7]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

Animal Note: TGL 7 - NST (Cavity, thoracic, fluid)

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2291

TRT#: 5

SEX: Male

DAY ON TEST: 683

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500702291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---------------------------------------|---------------|---------------------------|---------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Marked |
| * Brain, Brain Stem | Hypothalamus | Compression | Mild |
| [Compression TGLs = 10-1A] | | | |
| * Epididymis | Mesothelium | Exfoliated Germ Cell | Marked |
| | | Hyperplasia | Minimal |
| | | Hypospermia | Marked |
| | | Thrombosis | |
| * Heart | Atrium | | |
| [Thrombosis TGLs = 6-2] | | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 5-3] | | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |
| | Lumbar | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 3-17] | | | |
| [Leukemia Mononuclear TGLs = 7-17A] | | | |
| [Leukemia Mononuclear TGLs = 8-17B] | | | |
| * Pancreas | Acinar Cell | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2291

TRT#: 5

SEX: Male

DAY ON TEST: 683

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500702291

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 9-9A]			
* Preputial Gland		Inflammation	Mild
[Inflammation TGLs = 1-7]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 2-9]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 4,11-7+7B]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2292

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Epididymis		Exfoliated Germ Cell	Mild
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Atrium	Thrombosis	
		Nephropathy	Moderate
[Nephropathy TGLs = 2-8]			
* Liver		Granuloma	Minimal
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLs = 3-4A]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Lactation	Mild
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
[Cyst TGLs = 4-9]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Skin		Keratoacanthoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2292

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702292

ORGAN AND ACCOUNTABLE SITE STATUS

[Keratoacanthoma TGLs = 1-2A]

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
		Polyarteritis	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2351

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702351

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Brain, Brain Stem	Hypothalamus	Compression	Mild
[Compression TGLs = 8-1A]			
* Epididymis		Hypospermia	Marked
Note: TGL 5 - NCL			
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLs = 6-8]			
* Liver		Degeneration	Cystic, Mild
* Mammary Gland	Alveolus	Galactocele	
		Hyperplasia	Moderate
		Lactation	Mild
[Galactocele TGLs = 1-2A]			
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 7-9]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Moderate
* Sem Ves			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2351

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702351

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 4 - NCL

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
		Mineralization	Mild
	[Adenoma TGLs = 3-7B]		
	[Atrophy TGLs = 2-7]		
* Thymus		Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2352

TRT#: 5

SEX: Male

DAY ON TEST: 552

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500702352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------|-------------------------|-----------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Intestine Small, Duodenum | * Islets, Pancreatic | * Mammary Gland | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

AUTO PRECLUDES DIAG.

- | | | | |
|--------------------------|----------------------------|--------------------------|---------------------------|
| * Eye | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | | |

OBSERVATIONS

- | | | | |
|--------------------------|--|---------------------------|------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Epididymis | | Exfoliated Germ Cell | Moderate |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Mild |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 5-3] | | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 6,7-4+4A] | | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 8-17A] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 4-11A] | | |
| * Nose | | Fungus | |
| | | Inflammation | Moderate |
| * Pancreas | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 3-10A] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2352

TRT#: 5

SEX: Male

DAY ON TEST: 552

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500702352

ORGAN AND ACCOUNTABLE SITE STATUS

Penis		Inflammation	Moderate
[Inflammation TGLs = 1-17]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 2-9A]			
* Stomach, Forestomach		Hyperplasia	Mild
* Testes	Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2361

TRT#: 5

SEX: Male

DAY ON TEST: 541

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500702361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-------------------------|-----------------------------|-------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Harderian Gland |
| * Intestine Large, Rectum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland |
| * Preputial Gland | * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- | | | |
|--------------------------|-----------------|----------|
| * Lymph Node, Mesenteric | * Mammary Gland | * Thymus |
|--------------------------|-----------------|----------|

AUTO PRECLUDES DIAG.

- | | | | |
|--------------------------|----------------------------|--------------------------|-----------------------------|
| * Eye | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | | |

OBSERVATIONS

- | | | | |
|--------------------------------------|---------------------------|---------------------------|---------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Bone, Femur | | Fibrous Osteodystrophy | Moderate |
| * Epididymis | | Exfoliated Germ Cell | Marked |
| | | Hypospermia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| | Atrium | Thrombosis | |
| | [Thrombosis TGLs = 2-2] | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Vacuolization Cytoplasmic | Moderate |
| Note: Consistent with Heart failure. | | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| Note: Heart failure cells present. | | | |
| * Lym Node Mesen | | | |
| Note: RC attempted | | | |
| * Mammary GI | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2361

TRT#: 5

SEX: Male

DAY ON TEST: 541

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500702361

ORGAN AND ACCOUNTABLE SITE STATUS

Note: RC attempted

Mesentery

Note: Mesentery, fat, necrosis, moderate, located on slide 11A

* Prostate

Inflammation

Mild

* Spleen

Note: TGL 1 - NCL

* Testes

Interstit Cell

Adenoma

* Thymus

Note: RC attempted

PRIMARY CAUSE OF DEATH

- Heart Atrium Thrombosis

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2362

TRT#: 5

SEX: Male

DAY ON TEST: 667

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500702362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Brain, Brain Stem	Hypothalamus	Compression	Moderate
	Ventricle	Dilatation	Mild
	[Compression TGLs = 3-1A]		
* Brain, Cerebrum	Ventricle	Dilatation	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-3]		
* Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-17]		
* Mammary GI			
Note: No RC per pathologist			
* Nose		Inflammation	Mild
* Pancreas	Acinar Cell	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4-9A]		
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Moderate
* Salivary Glands		Infiltration Cellular	Plasma Cell, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2362

TRT#: 5

SEX: Male

DAY ON TEST: 667

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500702362

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Atrophy	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Edema	Mild
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2371

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Epididymis		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
	[Hepatocellular Adenoma TGLs = 5-3A]		
* Lymph Node, Mesenteric		Degeneration	Cystic, Mild
* Mammary GI			
	Note: TGL 2 - Noted grossly as Mammary gland was Skin		
	Note: TGL 7 - Noted grossly as Mammary gland was Skin		
* Pancreas	Acinar Cell	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
	[Cyst TGLs = 6-9]		
	[Hyperplasia TGLs = 6-9]		
* Preputial Gland		Inflammation	Marked
	Note: TGL 1 - Noted grossly as Preputial gland was Skin		
* Prostate		Inflammation	Mild
* Skin	Subcut Tiss	Fibroma	
	Fat, Subcut Tiss	Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2371

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702371

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLs = 2,7-2A+2B]			
[Necrosis TGLs = 1-7]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 3,4-7+7B]			
* Thymus		Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2372

TRT#: 5

SEX: Male

DAY ON TEST: 698

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500702372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* 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, Mandibular	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord, Cervical	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

Ear
 Note: TGL 11 - Noted grossly as Ear was Skin

* Epididymis		Hypospermia	Marked
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Caudate Lobe	Developmental Malformation	
	Bile Duct	Hyperplasia	Mild

Note: TGL 9 - NCL
 Note: TGL 10 - NCL
 [Developmental Malformation TGLs = 8-3A]

Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Moderate
------------	------------	-------------	--------------------

Note: TGL 7 - Noted grossly as Lymph node, inguinal was Mammary gland
 [Hyperplasia TGLs = 5-17]

* Lymph Node, Mesenteric		Degeneration	Cystic, Moderate
--------------------------	--	--------------	------------------

[Degeneration TGLs = 13-11]

* Mammary Gland		Galactocele	
-----------------	--	-------------	--

Note: TGL 2 - Noted grossly as Mammary gland was Skin
 [Galactocele TGLs = 7-17A]

* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2372

TRT#: 5

SEX: Male

DAY ON TEST: 698

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500702372

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 12 - NCL

* Preputial Gland		Carcinoma	
	[Carcinoma TGLs = 1-7B]		
* Prostate		Inflammation	Moderate
* Skin	Subcut Tiss	Fibroma	
	Ear	Neural Crest Tumor, Benign	
	[Fibroma TGLs = 2-2A]		
	[Neural Crest Tumor, Benign TGLs = 11-17B]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLs = 6-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 3,4-7C+7]		
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

CONTRIBUTORY CAUSE OF DEATH - Preputial Gland Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2381

TRT#: 5

SEX: Male

DAY ON TEST: 613

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500702381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Mammary Gland | * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle | * Skin |
| * Spinal Cord, Lumbar | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|----------------------|---------------------------|-------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | | Hyperplasia | Focal, Mild |
| * Epididymis | | Exfoliated Germ Cell | Marked |
| | | Hypospermia | Mild |
| * Heart | | Leukemia Mononuclear | |
| Note: TGL 9 - NCL | | | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| * Liver | | Leukemia Mononuclear | |
| [Leukemia Mononuclear | TGLs = 5,6-3] | | |
| * Lung | | Leukemia Mononuclear | |
| [Leukemia Mononuclear | TGLs = 10,11-4A+4B] | | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |
| | Lumbar | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| [Leukemia Mononuclear | TGLs = 3-17] | | |
| [Leukemia Mononuclear | TGLs = 7-17A] | | |
| [Leukemia Mononuclear | TGLs = 8-17B] | | |
| [Leukemia Mononuclear | TGLs = 14-17C] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2381

TRT#: 5

SEX: Male

DAY ON TEST: 613

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500702381

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 1-10+10A]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 13-11]			
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 12-9]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 2-9]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: Adenoma in Testis on slide 7; Hyperplasia on slide 7B			
[Adenoma TGLs = 4-7]			
[Hyperplasia TGLs = 4-7B]			
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2382

TRT#: 5

SEX: Male

DAY ON TEST: 555

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500702382

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis	* Esophagus
* Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lacrimal Gland	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Nephropathy	Mild
Lacrimal GI			
Note: TGL 3 - NCL			
* Liver		Basophilic Focus	
* Lym Node Mand			
Note: TGL 3 - Noted grossly as Lymph node, mandibular was Lacrimal gland, exorbital			
* Preputial Gland	Duct	Ectasia	Mild
		Squamous Cell Papilloma	
[Ectasia TGLs = 2-7]			
[Squamous Cell Papilloma TGLs = 1-7B]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLs = 4-9]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Papilloma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2431

TRT#: 1

SEX: Male

DAY ON TEST: 621

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702431

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|-------------------|---|----------------------|----------------|
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Atrophy | Moderate |
| * Epididymis | | Exfoliated Germ Cell | Moderate |
| | | Hypospermia | Marked |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Minimal |
| | [Leukemia Mononuclear TGLs = 10,22-8A+8] | | |
| * Liver | | Degeneration | Cystic, Marked |
| | | Leukemia Mononuclear | |
| | [Degeneration TGLs = 12,13,14,15,16-3A+3B+3C+3D+3E] | | |
| | [Leukemia Mononuclear TGLs = 11-3] | | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 20-4] | | |
| Lymph Node | | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 17-17A] | | |
| | [Leukemia Mononuclear TGLs = 18-17B] | | |
| | [Leukemia Mononuclear TGLs = 19-17C] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2431

TRT#: 1

SEX: Male

DAY ON TEST: 621

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702431

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 21-11]		
* Mammary Gland	Alveolus	Hyperplasia	Mild
Note: TGL 2 and 3 - Noted grossly as Mammary gland was Skeletal muscle			
* Preputial Gland		Inflammation	Moderate
[Inflammation	TGLs = 4-7B]		
* Prostate		Inflammation	Mild
* Seminal Vesicle		Atrophy	Mild
[Atrophy	TGLs = 7-7A]		
* Skeletal Muscle		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 2,3-2A+2B]		
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 9-9]		
* Testes	Interstit Cell	Adenoma	
[Adenoma	TGLs = 5,6-7]		
* Thymus		Leukemia Mononuclear	
Urethra	Bulboureth GI	Inflammation	Marked
	Bulboureth GI	Leukemia Mononuclear	
[Inflammation	TGLs = 8-17]		
[Leukemia Mononuclear	TGLs = 8-17]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2432

TRT#: 1

SEX: Male

DAY ON TEST: 647

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702432

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Epididymis		Hypospermia	Moderate
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hepatocellular Adenoma	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: TGL 11 - NCL [Hepatocellular Adenoma TGLs = 8-3A]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Leukemia Mononuclear	
[Degeneration TGLs = 3-10+10A] [Leukemia Mononuclear TGLs = 3-10+10A]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Minimal
Note: TGL 2 - Noted grossly as Mammary gland was Skin			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 9-9B]			
* Preputial Gland		Inflammation	Mild
[Inflammation TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2432

TRT#: 1

SEX: Male

DAY ON TEST: 647

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702432

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Mild
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLs = 2,10-2A+2B]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Infarct	
		Leukemia Mononuclear	
	[Infarct TGLs = 7-9A]		
	[Leukemia Mononuclear TGLs = 6-9]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 4,5-7+7B]		
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2441

TRT#: 1

SEX: Male

DAY ON TEST: 542

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|-----------------------------|----------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- * Adrenal Medulla

OBSERVATIONS

- | | | | |
|---|------------|---------------------------|-------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Minimal |
| * Adren Medulla | | | |
| Note: WT attempted | | | |
| * Epididymis | | Exfoliated Germ Cell | Moderate |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Leukemia Mononuclear | |
| Note: TGL 6 - NST (Liver, right lateral lobe, focus; not found at trim) | | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 4-17] | | | |
| * Lymph Node, Mandibular | | Degeneration | Cystic, Mild |
| | | Infiltration Cellular | Plasma Cell, Mild |
| | | Inflammation | Mild |
| * Preputial Gland | | | |
| [Inflammation TGLs = 1-7C] | | | |
| * Skin | Tail | Hyperkeratosis | Mild |
| [Hyperkeratosis TGLs = 7-2A] | | | |
| * Spleen | | Infarct | |
| | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2441

TRT#: 1

SEX: Male

DAY ON TEST: 542

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702441

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 2,3-9A+9B]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLs = 5,8-7+7B]

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2442

TRT#: 1

SEX: Male

DAY ON TEST: 549

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain, Cerebellum		Hemorrhage	Mild
		Leukemia Mononuclear	
	[Hemorrhage TGLs = 8-1]		
	[Leukemia Mononuclear TGLs = 8-1]		
* Brain, Cerebrum		Hemorrhage	Minimal
	[Hemorrhage TGLs = 11-1A]		
* Epididymis		Exfoliated Germ Cell	Moderate
		Hypospermia	Moderate
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
	Note: TGL 6 - NCL		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 10-3]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 12-4+4A]		
	Lymph Node		
	Note: TGL 4 - NST (Lymph node, pancreatic, enlarged; not found at trim)		
* Mammary Gland		Galactocele	
	[Galactocele TGLs = 1-2A]		
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2442

TRT#: 1

SEX: Male

DAY ON TEST: 549

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702442

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
[Cyst TGLs = 9-9A]			
* Preputial Gland		Inflammation	Mild
* Prostate			
Note: TGL 3 - NCL			
Note: Gross observation recorded as TGL 3 was normal secretory fluid.			
* Sem Ves			
Note: TGL 7 - NCL			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
		Leukemia Mononuclear	
* Spinal Cord, Lumbar		Leukemia Mononuclear	
* Spinal Cord, Thoracic		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 5-9]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 2-7]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2451

TRT#: 1

SEX: Male

DAY ON TEST: 704

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702451

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
* Adrenal Medulla	Bilateral	Pheochromocytoma Malignant	
[Pheochromocytoma Malignant	TGLs = 5-9]		
* Epididymis		Exfoliated Germ Cell	Mild
		Hypospermia	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
	Atrium	Schwannoma Malignant	
[Thrombosis	TGLs = 9-2]	Thrombosis	
* Intestine Large, Cecum		Inflammation	Marked
		Ulcer	Moderate
[Inflammation	TGLs = 11-12A]		
[Ulcer	TGLs = 11-12A]		
* Kidney		Nephropathy	Marked
[Nephropathy	TGLs = 6-8]		
* Liver		Cyst	
		Necrosis	Coagulative, Mild
Note: TGL 8 - NCL			
[Cyst	TGLs = 7-3A]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2451

TRT#: 1

SEX: Male

DAY ON TEST: 704

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702451

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLs = 2-10+10A]

Mesentery

Note: Mesentery, polyarteritis located on slide 11

* Peripheral Nerve, Sciatic

Axon

Degeneration

Minimal

* Preputial Gland

Inflammation

Marked

[Inflammation TGLs = 1-7]

* Seminal Vesicle

Atrophy

Mild

[Atrophy TGLs = 4-7A]

* Spinal Cord, Lumbar

Nerve

Degeneration

Minimal

* Spinal Cord, Thoracic

Axon

Degeneration

Minimal

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLs = 3-7B]

* Thymus

Atrophy

Mild

* Thyroid Gland

Follicular Cel

Carcinoma

[Carcinoma TGLs = 10-6]

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2452

TRT#: 1

SEX: Male

DAY ON TEST: 571

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702452

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Epididymis |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Peripheral Nerve, Sciatic | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|------------------------------|------------------------|----------------------------|--------------|
| * Adrenal Medulla | | Pheochromocytoma Malignant | |
| [Pheochromocytoma Malignant | TGLs = 3-9] | | |
| * Heart | | Cardiomyopathy | Moderate |
| Note: TGL 10 - NCL | | | |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Degeneration | Cystic, Mild |
| | Bile Duct | Hyperplasia | Mild |
| | [Leukemia Mononuclear | Leukemia Mononuclear | |
| | TGLs = 5-3] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Medulla, Renal, Sinus | Dilatation | Marked |
| | Pancreatic | Leukemia Mononuclear | |
| | Lumbar | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |
| | [Dilatation | | |
| | TGLs = 6-17A] | | |
| | [Leukemia Mononuclear | | |
| | TGLs = 4-17] | | |
| | [Leukemia Mononuclear | | |
| | TGLs = 7-17B] | | |
| | [Leukemia Mononuclear | | |
| | TGLs = 6-17A] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2452

TRT#: 1

SEX: Male

DAY ON TEST: 571

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702452

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Degeneration	Cystic, Mild
* Pancreas		Polyarteritis	Mild
* Parathyroid G1			
Note: No RC per pathologist; Parathyroids obscured by Thyroid gland neoplasm			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 11-9]			
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Moderate
* Prostate		Inflammation	Mild
* Sem Ves			
Note: TGL 1 - NCL			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 2-9A]			
* Thymus		Atrophy	Mild
Note: TGL 9 - NCL			
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLs = 8-6]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH - Thyroid Gland Follicular Cel Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2461

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Moderate
	[Hypertrophy TGLs = 7-9]		
* Epididymis		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
	[Schwannoma Malignant TGLs = 11-2]	Schwannoma Malignant	
* Kidney		Nephropathy	Moderate
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 14,15,16-3A+3B+3]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 10-4]		
Lymph Node		Renal	Leukemia Mononuclear
		Lumbar	Leukemia Mononuclear
		Mediastinal	Leukemia Mononuclear
		Pancreatic	Leukemia Mononuclear
	[Leukemia Mononuclear TGLs = 6-17]		
	[Leukemia Mononuclear TGLs = 8-17A]		
	[Leukemia Mononuclear TGLs = 9-17B]		
	[Leukemia Mononuclear TGLs = 12-17C]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-10+10A]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2461

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702461

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Degeneration Leukemia Mononuclear	Cystic, Marked
[Degeneration TGLs = 13-11]			
[Leukemia Mononuclear TGLs = 13-11]			
* Mammary Gland	Alveolus	Hyperplasia	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Preputial Gland	Duct	Ectasia Inflammation	Mild Mild
[Ectasia TGLs = 2-7]			
[Inflammation TGLs = 2-7]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 5-9]			
* Stomach, Forestomach		Hyperplasia Inflammation	Mild Moderate
[Hyperplasia TGLs = 17-12A]			
[Inflammation TGLs = 17-12A]			
* Stom Gland			
Note: TGL 18 - NCL			
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
[Adenoma TGLs = 4-7B]			
[Atrophy TGLs = 3-7]			
* Thymus		Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2462

TRT#: 1

SEX: Male

DAY ON TEST: 569

DOSE: 0.70 ACRYL

DISP: Natural Death

HISTO: 021500702462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Epididymis | * Esophagus | * Harderian Gland | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Liver |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle | * Skin |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | |

MISSING

- | | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

- | | | | |
|-----------------------------|----------------|----------------|---------|
| * Heart | | Cardiomyopathy | Mild |
| * Islets, Pancreatic | | Adenoma | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | | |
| Note: TGL 1 - NCL | | | |
| * Mammary GI | | | |
| Note: RC attempted | | | |
| * Parathyroid GI | | | |
| Note: No RC per pathologist | | | |
| * Preputial Gland | | Inflammation | Mild |
| * Spinal Cord, Cervical | Axon | Degeneration | Minimal |
| * Testes | Interstit Cell | Adenoma | |
| [Adenoma TGLs = 3-7B] | | | |
| * Thymus | | Atrophy | Mild |
| * Thyroid Gland | Follicular Cel | Carcinoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2462

TRT#: 1

SEX: Male

DAY ON TEST: 569

DOSE: 0.70 ACRYL

DISP: Natural Death

HISTO: 021500702462

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLs = 2-6]

PRIMARY CAUSE OF DEATH - Thyroid Gland Follicular Cel Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 61

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland	Duct	Ectasia	Marked
		Inflammation	Mild
Note: TGL 1 - Noted grossly as Clitoral gland was Mammary gland			
			[Ectasia TGLs = 5-7C]
			[Inflammation TGLs = 5-7C]
* Eye	Retina	Degeneration	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
			[Basophilic Focus TGLs = 3-3B]
			[Eosinophilic Focus TGLs = 2-3A]
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
* Mammary Gland		Fibroadenoma	
			[Fibroadenoma TGLs = 1-7B]
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
			[Hyperplasia TGLs = 4-9]
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 62

TRT#: 7

SEX: Female

DAY ON TEST: 611

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland [Carcinoma TGLs = 1-7]		Carcinoma	
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Granuloma	Mild
Note: WT requested for TGL 3 located on slide 3A [Basophilic Focus TGLs = 3-3+3A]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen [Hematopoietic Cell Proliferation TGLs = 2-9]		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 71

TRT#: 7

SEX: Female

DAY ON TEST: 613

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Inflammation	Mild
* Eye	Lids	Melanoma Malignant	
	[Melanoma Malignant TGLs = 2-13A]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
		Schwannoma Malignant	
	Note: WT requested for TGL 6 located on slide 2B		
	[Schwannoma Malignant TGLs = 6-2B]		
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
	[Eosinophilic Focus TGLs = 5-3A]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Mild
	[Infiltration Cellular TGLs = 4-4A]		
* Ovary		Atrophy	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Skin	Epidermis	Hyperplasia	Mild
	[Hyperplasia TGLs = 1-2A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 71

TRT#: 7

SEX: Female

DAY ON TEST: 613

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700071

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLs = 3-7A]			

PRIMARY CAUSE OF DEATH - Eye Lids Melanoma Malignant

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 72

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--------------------------|---|-------------------------|---------------------|
| * Adrenal Cortex | | Angiectasis | Moderate |
| * Bone, Femur | | Osteopetrosis | Moderate |
| * Clitoral Gland | | Squamous Cell Carcinoma | |
| | [Squamous Cell Carcinoma TGLs = 2-7] | | |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Degeneration | Cystic, Moderate |
| | | Eosinophilic Focus | Multiple |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 6-17] | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 1-10+10A] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Mammary Gland | | Fibroadenoma | |
| | Alveolus | Hyperplasia | Moderate |
| | [Fibroadenoma TGLs = 3-2A] | | |
| Mesentery | | | |
| | Note: TGL 6 - Noted grossly as Mesentery was Lymph node, Pancreatic | | |
| * Ovary | | Atrophy | Marked |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 72

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700072

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLs = 5-9A]	Pars Distalis	Adenoma	
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen [Leukemia Mononuclear TGLs = 4-9]		Leukemia Mononuclear	
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 81

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Clitoral Gland		Inflammation	Mild
	[Inflammation TGLs = 1-7]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
		Granuloma	Mild
	[Basophilic Focus TGLs = 3-3+3A]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 4-4A]		
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Ovary		Atrophy	Mild
* Spinal Cord, Cervical	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen			
	Note: TGL 2 - NCL		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 82

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* 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
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Inflammation	Mild
* Eye	Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
* Liver		Nephropathy	Minimal
	Left Lat Lobe	Basophilic Focus	Multiple
		Developmental Malformation	
		Granuloma	Mild
	[Basophilic Focus TGLs = 2-3]		
	[Developmental Malformation TGLs = 3-3A]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 5-4A]		
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
	[Fibroadenoma TGLs = 1-2A]		
* Ovary		Atrophy	Mild
		Cyst	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4-9]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 82

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700082

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 91

TRT#: 7

SEX: Female

DAY ON TEST: 663

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|--------------------------|---|-------------------------|---------------------|
| * Clitoral Gland | | Inflammation | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 8-3] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |
| | Deep Cervical | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 3-17] | | |
| | [Leukemia Mononuclear TGLs = 5-17A] | | |
| | [Leukemia Mononuclear TGLs = 6-17B] | | |
| * Lymph Node, Mandibular | | Degeneration | Cystic, Mild |
| | | Infiltration Cellular | Plasma Cell, Marked |
| | [Degeneration TGLs = 1-10+10A] | | |
| | [Infiltration Cellular TGLs = 1-10+10A] | | |
| * Mammary Gland | Alveolus | Hyperplasia | Moderate |
| | | Lactation | Moderate |
| Oral Mucosa | | Squamous Cell Papilloma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 91

TRT#: 7

SEX: Female

DAY ON TEST: 663

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700091

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Papilloma TGLs = 7-17C]

* Ovary		Atrophy	Marked
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Marked
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-9A]		
* Thymus			
Note: No RC per pathologist			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[Hyperplasia TGLs = 4-7A]		

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Papilloma

CONTRIBUTORY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL 7 - Noted grossly as Cavity, oral was Oral mucosa

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 92

TRT#: 7

SEX: Female

DAY ON TEST: 679

DOSE: 0.35 ACRYL

DISP: Natural Death

HISTO: 021500700092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLs = 1-7]			
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	Multiple
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Ovary		Atrophy	Moderate
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen	Red Pulp	Atrophy	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLs = 4-6]			
* Uterus		Polyp Stromal	
Note: TGL 2 is located on slide 7A not 7B			
[Polyp Stromal TGLs = 2,3-7A]			

PRIMARY CAUSE OF DEATH - Thyroid Gland Follicular Cel Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 101

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
* Brain, Brain Stem	Hypothalamus	Compression	Mild
	[Compression TGLs = 10-1]		
* Clitoral Gland		Inflammation	Mild
	[Inflammation TGLs = 2-7]		
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Moderate
* Liver		Angiectasis	Mild
		Basophilic Focus	Multiple
		Eosinophilic Focus	
		Granuloma	Mild
		Hematopoietic Cell Proliferation	Moderate
	Bile Duct	Hyperplasia	Mild
	[Eosinophilic Focus TGLs = 4,5,6,7,12-3+3A+3B+3C+3D]		
	[Granuloma TGLs = 3-3+3A]		
	[Hyperplasia TGLs = 3-3+3A]		
* Lung		Granuloma	Mild
	[Granuloma TGLs = 9-4]		
* Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 101

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700101

ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolus	Hyperplasia	Mild
		Lactation	Mild
Note: WT requested for TGL 1 located on slide 2C			
	[Fibroadenoma TGLs = 13,14-2A+2B]		
	[Hyperplasia TGLs = 1-2+2C]		
	[Lactation TGLs = 1-2+2C]		
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 11-9]		
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Carcinoma	
	[Carcinoma TGLs = 8-6A]		

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 102

TRT#: 7

SEX: Female

DAY ON TEST: 453

DOSE: 0.35 ACRYL

DISP: Natural Death

HISTO: 021500700102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--------------------------|--------------------------------------|----------------------|---------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Bone Marrow | | Hyperplasia | Moderate |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | Cortex | Inflammation | Chronic, Mild |
| | | Mineralization | Mild |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 3-3] | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 1-10] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 4-11] | | |
| * Spleen | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 2-9A] | | |
| * Thymus | | Leukemia Mononuclear | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 161

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--------------------------|-------------------------------------|----------------------|--------------|
| * Bone, Femur | | Osteopetrosis | Marked |
| * Clitoral Gland | Duct | Ectasia | Mild |
| | | Inflammation | Mild |
| | [Inflammation TGLs = 1-7] | | |
| * Eye | Retina | Degeneration | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 4-3] | | |
| * Lymph Node, Mandibular | | Degeneration | Cystic, Mild |
| * Mammary Gland | Alveolus | Hyperplasia | Marked |
| * Ovary | | Atrophy | Mild |
| * Pituitary Gland | | | |
| | Note: TGL 5 - NCL | | |
| * Spinal Cord, Cervical | Axon | Degeneration | Minimal |
| * Spleen | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 3-9] | | |
| * Uterus | Horn | Dilatation | Mild |
| | [Dilatation TGLs = 2-7A] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 162

TRT#: 10

SEX: Female

DAY ON TEST: 689

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500700162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Skeletal Muscle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Brain, Brain Stem	Hypothalamus	Compression	Moderate
	[Compression TGLs = 10-1A]		
* Clitoral Gland		Leukemia Mononuclear	
* Eye	Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-17]		
	[Leukemia Mononuclear TGLs = 7-17A]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 12-11]		
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 162

TRT#: 10

SEX: Female

DAY ON TEST: 689

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500700162

ORGAN AND ACCOUNTABLE SITE STATUS

Lactation Mild

[Fibroadenoma TGLs = 2-2A]

Mesentery

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 9-17B]

* Ovary

Leukemia Mononuclear

* Pancreas

Leukemia Mononuclear

* Pituitary Gland

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 11-9]

* Salivary Glands

Leukemia Mononuclear

* Spinal Cord, Cervical

Axon

Degeneration

Minimal

* Spinal Cord, Lumbar

Nerve

Degeneration

Minimal

* Spinal Cord, Thoracic

Axon

Degeneration

Minimal

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 3,4-9A]

* Stom Gland

Note: TGL 13 - NCL

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 8-10]

* Thyroid Gland

C Cell

Adenoma

* Urinary Bladder

Leukemia Mononuclear

* Uterus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 171

TRT#: 10

SEX: Female

DAY ON TEST: 725

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500700171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|---------------------------|-----------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Thoracic | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------|---|----------------------|----------------|
| * Adrenal Cortex | | Angiectasis | Mild |
| * Adrenal Medulla | | Hyperplasia | Focal, Minimal |
| * Clitoral Gland | | Inflammation | Moderate |
| | [Inflammation TGLs = 1-7] | | |
| * Eye | Retina | Degeneration | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Leukemia Mononuclear | |
| | | Regeneration | Marked |
| | [Leukemia Mononuclear TGLs = 4,5,6,7,9-3+3A+3B+3C+3E] | | |
| | [Regeneration TGLs = 8-3D] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Renal | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 10-17] | | |
| | [Leukemia Mononuclear TGLs = 11-17A] | | |
| * Ovary | | Atrophy | Mild |
| * Pancreas | Acinar Cell | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 12-9] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 171

TRT#: 10

SEX: Female

DAY ON TEST: 725

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500700171

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-9]		
* Stomach, Forestomach		Hyperplasia	Mild
		Inflammation	Mild
* Thymus		Atrophy	Mild
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLs = 2-7A]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 172

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
[Accessory Adrenal Cortical Nodule TGLs = 2-9A]			
* Clitoral Gland		Adenoma	
[Adenoma TGLs = 1-7B]			
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
	Biliar Tract	Cyst	
[Basophilic Focus TGLs = 5-3]			
[Cyst TGLs = 4-3A]			
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
Note: One A/B adenoma on slide 4A; another on slide 4.			
[Alveolar/Bronchiolar Adenoma TGLs = 6-4A]			
* Pancreas	Acinar Cell	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 3-9]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Thymus		Atrophy	Moderate
		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 181

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Bone, Femur		Osteopetrosis	Mild
* Clitoral Gland		Adenoma	
	[Adenoma TGLs = 2-7]		
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
	[Basophilic Focus TGLs = 3-3]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 4-4]		
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Nose		Osteopetrosis	Mild
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Atrophy	Minimal
* Pituitary Gland			
	Note: TGL 5 - NCL		
* Skin		Ulcer	Mild
	[Ulcer TGLs = 1-2A]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 181

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700181

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Marked

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 182

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* 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	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Lumbar	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Clitoral Gland	Duct	Ectasia	Moderate
		Inflammation	Moderate
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
	[Basophilic Focus TGLs = 5-3]		
	[Eosinophilic Focus TGLs = 4-3A]		
* Lymph Node, Mandibular	Medulla, Sinus	Dilatation	Mild
* Mammary Gland		Fibroadenoma	
		Galactocele	
	[Fibroadenoma TGLs = 3-2A]		
	[Galactocele TGLs = 3-2A]		
* Ovary		Atrophy	Marked
		Cyst	
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland		Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 182

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700182

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	

[Polyp Stromal TGLs = 2-7A]

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 191

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* 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, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Clitoral Gland		Adenoma	
	Duct	Ectasia	Mild
		Inflammation	Mild
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
		Schwannoma Malignant	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
	[Eosinophilic Focus TGLs = 5-3A]		
* Lung			
	Note: TGL 4 - NCL		
* Mammary Gland	Alveolus	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLs = 3-17]		
* Ovary		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 191

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700191

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	

[Polyp Stromal TGLs = 2-7A]

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 192

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Focal, Mild
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
	Left Lat Lobe	Developmental Malformation	
	[Basophilic Focus TGLs = 1-3]		
	[Developmental Malformation TGLs = 2-3A]		
* Mammary Gland		Lactation	Mild
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-9A]		
* Skin	Subcut Tiss	Fibroma	
		Ulcer	Moderate
	[Ulcer TGLs = 4-2A]		
* Thymus		Atrophy	Moderate
		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 211

TRT#: 6

SEX: Female

DAY ON TEST: 717

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* 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	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Adrenal Medulla	Bilateral	Pheochromocytoma Malignant	
* Clitoral Gland	Duct	Ectasia	Moderate
* Eye	Retina	Degeneration	Mild
	Sclera	Metaplasia	Osseous, Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Moderate
	Atrium	Thrombosis	
	[Thrombosis TGLs = 4-2]		
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Cytoplasmic Alteration	Moderate
		Hepatodiaphragmatic Nodule	
	Centrilobular	Necrosis	Mild
		Regeneration	Marked
	Note: Histologic changes are consistent with heart failure.		
	[Hepatodiaphragmatic Nodule TGLs = 2-3A]		
	[Regeneration TGLs = 3-3]		
* Lung	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	Note: Histologic changes are typical of heart failure.		
	Note: TGL 5 - NCL		
* Lymph Node, Mandibular		Degeneration	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 211

TRT#: 6

SEX: Female

DAY ON TEST: 717

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700211

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
	[Fibroadenoma TGLs = 1,7,8-2A+2B+2C]		
* Nose		Inflammation	Mild
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 6-9]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Heart Atrium Thrombosis

CONTRIBUTORY CAUSE OF DEATH - Liver Centrilobular Necrosis

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 212

TRT#: 6

SEX: Female

DAY ON TEST: 285

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Inflammation	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Liver		Granuloma	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 2-4A+4B]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Mild
Zymbal's Gland		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLs = 1-17]		

PRIMARY CAUSE OF DEATH - Zymbal's Gland Squamous Cell Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 221

TRT#: 6

SEX: Female

DAY ON TEST: 424

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Clitoral Gland	* Esophagus	* Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
	[Cyst TGLs = 6-8]	Mineralization	Mild
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3,4-4A+4]		
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
	[Hyperplasia TGLs = 5-17A]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Atrophy	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-9A]		
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 221

TRT#: 6

SEX: Female

DAY ON TEST: 424

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700221

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 2-17]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Liver Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 222

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Brain, Cerebrum		Gliosis	Focal, Mild
* Clitoral Gland		Carcinoma	
	Duct	Ectasia	Moderate
	[Carcinoma TGLs = 1-7]		
	[Ectasia TGLs = 2-7B]		
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLs = 5-3A]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Moderate
	[Fibroadenoma TGLs = 3-2A]		
* Ovary		Atrophy	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 6-9]		
* Spleen		Leukemia Mononuclear	
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 222

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700222

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

Polyp Stromal

[Polyp Stromal TGLs = 4-7A]

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 231

TRT#: 6

SEX: Female

DAY ON TEST: 605

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland
* Esophagus	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Focal, Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
Note: TGL 4 - NCL			
Note: TGL 5 - NCL			
Note: TGL 6 - NCL			
* Mammary Gland		Fibroadenoma	
		Galactocele	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLs = 1,7-2A+2C]			
[Galactocele TGLs = 7-2C]			
* Ovary		Atrophy	Mild
		Cyst	
[Cyst TGLs = 2-7B]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 3-9A]			
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 231

TRT#: 6

SEX: Female

DAY ON TEST: 605

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700231

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 232

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* 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	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Bone, Femur		Osteopetrosis	Marked
* Clitoral Gland		Inflammation	Moderate
Note: TGL 2 - Noted grossly as Clitoral gland was Mammary gland			
* Eye	Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Granuloma	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-3]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 6-4A]		
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
	[Fibroadenoma TGLs = 1,2-2A+7B]		
* Nose		Osteopetrosis	Moderate
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 232

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700232

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 5-9A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
		Leukemia Mononuclear	
[Hematopoietic Cell Proliferation TGLs = 3-9]			
[Leukemia Mononuclear TGLs = 3-9]			
* Thyroid Gland	Follicle	Cyst	

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 241

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle
* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Adenoma	
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
		Schwannoma Malignant	
	[Schwannoma Malignant TGLs = 7-2C]		
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
	[Basophilic Focus TGLs = 4-3]		
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Moderate
	[Fibroadenoma TGLs = 1-2A]		
* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5-9]		
* Skin	Subcut Tiss	Fibrosarcoma	
	[Fibrosarcoma TGLs = 6-2B]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 241

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700241

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen [Atrophy TGLs = 3-9]	Red Pulp	Atrophy	Moderate
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus [Hyperplasia TGLs = 2-7A]	Endometrium	Hyperplasia	Cystic, Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 242

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
		Thrombosis	Moderate
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Brain, Brain Stem	Hypothalamus	Compression	Mild
	[Compression TGLs = 3-1]		
* Clitoral Gland		Hyperplasia	Mild
		Inflammation	Mild
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Granuloma	Mild
	Bile Duct	Hyperplasia	Mild
	[Basophilic Focus TGLs = 5,6,7-3+3A+3B]		
* Lung		Granuloma	Minimal
* Mammary Gland		Fibroadenoma	
		Galactocele	
	[Fibroadenoma TGLs = 8,10-2A+2B]		
	[Galactocele TGLs = 4-17]		
Mesentery			
Note: TGL 4 - Noted grossly as Mesentery was Mammary gland			
Oral Mucosa		Squamous Cell Papilloma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 242

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700242

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Papilloma	TGLs = 9-17A]		
* Ovary		Atrophy	Marked
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma	TGLs = 2-9]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Polyp Stromal	
[Polyp Stromal	TGLs = 1-7A]		

Animal Note: TGL 9 - Noted grossly as Cavity, oral was Oral mucosa

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 251

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Vacuolization Cytoplasmic	Moderate
* Clitoral Gland		Carcinoma	
	[Carcinoma TGLs = 7-7B]		
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	Multiple
		Degeneration	Cystic, Moderate
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	
		Hepatodiaphragmatic Nodule	
	[Basophilic Focus TGLs = 18-3]		
	[Degeneration TGLs = 13-3]		
	[Eosinophilic Focus TGLs = 12-3A]		
	[Hepatodiaphragmatic Nodule TGLs = 14-3B]		
* Lung			
	Note: TGL 17 - NST (Lung, focus; not found at trim)		
Lymph Node	Renal	Degeneration	Cystic, Mild
	Lumbar, Medulla, Sinus	Dilatation	Moderate
	Renal	Hyperplasia	Lymphoid, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 251

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700251

ORGAN AND ACCOUNTABLE SITE STATUS

	Axillary	Infiltration Cellular	Plasma Cell, Moderate
	[Degeneration TGLs = 15-17B]		
	[Dilatation TGLs = 11-17A]		
	[Hyperplasia TGLs = 15-17B]		
	[Infiltration Cellular TGLs = 9-17]		
* Mammary Gland		Adenocarcinoma	
		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
	[Adenocarcinoma TGLs = 1-2A]		
	[Fibroadenoma TGLs = 2,3,4,5,6,8-2B+2C+2D+2E+2F+2G]		
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 16-9A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLs = 10-9]		
* Thymus		Atrophy	Mild
* Uterus		Polyp Stromal	

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 252

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Brain, Brain Stem [Compression TGLs = 8-1A]	Hypothalamus	Compression	Moderate
* Eye	Retina	Degeneration	Mild
* Harderian Gland		Histiocytic Sarcoma	
* Heart		Cardiomyopathy	Moderate
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Granuloma	Mild
		Hematopoietic Cell Proliferation	Mild
	Hepatocyte	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
	Bile Duct	Hyperplasia	Minimal
[Hyperplasia TGLs = 5-3]			
* Lung		Inflammation	Minimal
* Lymph Node, Mandibular [Dilatation TGLs = 9-10+10A]	Medulla, Sinus	Dilatation	Mild
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLs = 1,2,3-2A+2B+2C]			
* Ovary		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 252

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700252

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLs = 7-9]	Pars Distalis	Adenoma	
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen [Leukemia Mononuclear TGLs = 4-9]		Leukemia Mononuclear	
* Thymus		Atrophy	Mild
* Thyroid Gland [Carcinoma TGLs = 6-6A]	Follicular Cel	Carcinoma	

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 311

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* 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	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Clitoral Gland		Inflammation	Moderate
	[Inflammation TGLs = 3-7B]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Granuloma	Mild
	Bile Duct	Hyperplasia	Mild
	[Basophilic Focus TGLs = 4,6-3A+3B]		
* Lung		Granuloma	Mild
	[Granuloma TGLs = 7-4A]		
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
	[Fibroadenoma TGLs = 1,2-2A+2B]		
* Nose		Inflammation	Mild
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5-9A]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 311

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700311

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Lumbar

Nerve

Degeneration

Minimal

* Thymus

Atrophy

Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 312

TRT#: 8

SEX: Female

DAY ON TEST: 718

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mesenteric | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|----------------------------|---------------|----------------------------------|---------------------|
| * Adrenal Cortex | | Angiectasis | Moderate |
| * Clitoral Gland | | Carcinoma | |
| [Carcinoma TGLs = 2-7] | | | |
| * Eye | Retina | Degeneration | Minimal |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| Lacrimal Gland | | Metaplasia | Mild |
| [Metaplasia TGLs = 1-17] | | | |
| * Liver | | Granuloma | Mild |
| Note: TGL 3 - NCL | | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Mammary GI | | | |
| Note: RC attempted | | | |
| * Pituitary Gland | Pars Distalis | Cyst | |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| * Thymus | | Atrophy | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 312

TRT#: 8

SEX: Female

DAY ON TEST: 718

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700312

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 321

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Brain, Brain Stem	Hypothalamus	Compression	Mild
[Compression TGLs = 7-1]			
* Clitoral Gland		Carcinoma	
[Carcinoma TGLs = 2-7B]			
* Eye	Retina	Cataract Degeneration	Moderate
[Cataract TGLs = 5-13]			
[Degeneration TGLs = 5-13]			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver	Left Lat Lobe	Basophilic Focus	Multiple
	[Developmental Malformation TGLs = 4-3A]	Developmental Malformation	
* Lung		Granuloma	Mild
[Granuloma TGLs = 8,9-4A+4B]			
* Mammary Gland	Alveolus	Fibroadenoma Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 321

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700321

ORGAN AND ACCOUNTABLE SITE STATUS

		Lactation	Marked
[Fibroadenoma TGLs = 1-2A]			
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 6-9A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Thymus			
Note: RC attempted			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLs = 3-7C]			

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 322

TRT#: 8

SEX: Female

DAY ON TEST: 579

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700322

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|-----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * 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 | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|---|--------|-----------------------|------------------|
| * Adrenal Cortex | | Angiectasis | Mild |
| * Clitoral Gland | | Inflammation | Moderate |
| Note: TGL 2 - Noted grossly as Clitoral gland was Uterus
[Inflammation TGLs = 1-7] | | | |
| * Eye | | Cataract | |
| | Retina | Degeneration | Marked |
| [Cataract TGLs = 6-13A]
[Degeneration TGLs = 6-13A] | | | |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Mild |
| * Liver | | Basophilic Focus | Multiple |
| [Basophilic Focus TGLs = 4,5-3+3A] | | | |
| * Ovary | | Atrophy | Mild |
| * Parathyroid GI | | | |
| Note: RC attempted | | | |
| * Spinal Cord, Thoracic | Axon | Degeneration | Minimal |
| * Thymus | | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 322

TRT#: 8

SEX: Female

DAY ON TEST: 579

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700322

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Sarcoma Stromal

Note: TGL 2 - prolapsed through the Vagina

[Sarcoma Stromal TGLs = 2,3-7B+7A]

PRIMARY CAUSE OF DEATH

- Uterus Sarcoma Stromal

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 331

TRT#: 8

SEX: Female

DAY ON TEST: 641

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* 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	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spleen
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
* Brain, Brain Stem	Hypothalamus	Compression	Moderate
	[Compression TGLs = 7-1A]		
* Clitoral Gland		Carcinoma	
	[Carcinoma TGLs = 1-7]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Granuloma	Mild
		Hepatodiaphragmatic Nodule	
		Vacuolization Cytoplasmic	Marked
	[Hepatodiaphragmatic Nodule TGLs = 5-3A]		
	[Vacuolization Cytoplasmic TGLs = 4-3]		
* Mammary Gland		Adenocarcinoma	
		Galactocele	
	Alveolus	Hyperplasia	Moderate
		Lactation	Moderate
	[Adenocarcinoma TGLs = 3-2B]		
	[Galactocele TGLs = 2-2A]		
* Nose		Inflammation	Mild
* Ovary		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 331

TRT#: 8

SEX: Female

DAY ON TEST: 641

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700331

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 6-9A]			
* Skin			
Note: TGL 2 - Noted grossly as Skin was Mammary gland			
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Stomach, Forestomach		Inflammation	Moderate
		Ulcer	Moderate
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 332

TRT#: 8

SEX: Female

DAY ON TEST: 589

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
Note: TGL 3 - NST (Liver, left lateral lobe, focus - not found at trim)			
Note: TGL 4 - NST (Liver, median lobe, focus - not found at trim)			
[Leukemia Mononuclear TGLs = 2-3]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Lactation	Mild
* Ovary		Atrophy	Minimal
* Pituitary Gland	Pars Intermed	Cyst	
[Cyst TGLs = 5-9A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 1-9]			
* Stom Gland			
Note: TGL 6 - NCL			
Note: No lesion corresponding to TGL 6 was present on slide 12A.			
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 332

TRT#: 8

SEX: Female

DAY ON TEST: 589

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700332

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 341

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	Oral Mucosa	* Peripheral Nerve, Sciatic	* Skeletal Muscle
* Skin	* Spinal Cord, Lumbar	* Trachea	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Brain, Brain Stem	Hypothalamus	Compression	Mild
	[Compression TGLs = 14-1A]	Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Mild
	[Inflammation TGLs = 1-7]	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-7]		
* Eye	Retina	Degeneration	Mild
		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 23-2]		
* Intestine Small, Ileum		Leukemia Mononuclear	
* Islets, Pancreatic		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
	[Leukemia Mononuclear TGLs = 6-8+8A]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-3]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 15,16,17,18,19,22-4A+4B+4C+4D+4E+4]		
Lymph Node	Pancreatic	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 341

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700341

ORGAN AND ACCOUNTABLE SITE STATUS

	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-10]		
	[Leukemia Mononuclear TGLs = 8-17]		
	[Leukemia Mononuclear TGLs = 9-17A]		
	[Leukemia Mononuclear TGLs = 10-17B]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 21-11]		
* Mammary Gland	Alveolus	Hyperplasia	Moderate
		Lactation	Moderate
		Leukemia Mononuclear	
* Nose		Leukemia Mononuclear	
Oral Mucosa			
Note: TGL 24 - NCL			
* Ovary		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-7B]		
* Pancreas		Leukemia Mononuclear	
* Parathyroid Gland			
Note: No RC per pathologist			
* Pituitary Gland		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 13-9A]		
* Salivary Glands		Leukemia Mononuclear	
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-9]		
* Stomach, Forestomach		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 20-12A]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 341

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700341

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular		Edema	Marked
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 12-10A]		
* Thyroid Gland	Follicular Cel	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLs = 11-6]		
* Urinary Bladder		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 25-8]		
* Uterus		Leukemia Mononuclear	

Animal Note: TGL 24 - Noted grossly as Cavity, oral was Oral mucosa

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 342

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* 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	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Clitoral Gland		Inflammation	Moderate
	[Inflammation TGLs = 1-7]		
* Eye	Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
	[Basophilic Focus TGLs = 3-3]	Granuloma	Mild
* Lung	Alveolus	Granuloma	Mild
	[Granuloma TGLs = 6-4B]	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 5-4A]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 7-2A]		
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Cyst	
	[Cyst TGLs = 4-9]		
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Thymus		Atrophy	Mild
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 342

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700342

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

Polyp Stromal

[Hyperplasia TGLs = 2-7A+7B]

[Polyp Stromal TGLs = 2-7A+7B]

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 351

TRT#: 8

SEX: Female

DAY ON TEST: 586

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700351

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
		Hyperplasia	Focal, Mild
* Clitoral Gland	Duct	Ectasia	Mild
		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	Multiple
* Lung		Granuloma	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Granuloma TGLs = 2-4+4A]		
	[Infiltration Cellular TGLs = 2-4+4A]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland	Alveolus	Hyperplasia	Moderate
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-9A]		
* Skin		Inflammation	Moderate
	[Inflammation TGLs = 4-2A]		
* Thymus		Atrophy	Mild
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 351

TRT#: 8

SEX: Female

DAY ON TEST: 586

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700351

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLs = 1-7A]

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 352

TRT#: 8

SEX: Female

DAY ON TEST: 563

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum	* 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	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Brain, Brain Stem [Compression TGLs = 2-1A]	Hypothalamus	Compression	Mild
* Clitoral Gland [Adenoma TGLs = 1-7B]		Adenoma	
* Eye	Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Nephropathy	Mild
* Liver		Granuloma	Minimal
		Vacuolization Cytoplasmic	Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Ovary		Atrophy	Moderate
* Pituitary Gland [Adenoma TGLs = 3-9A]	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH - Clitoral Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 461

TRT#: 9

SEX: Female

DAY ON TEST: 704

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* 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	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Ectasia	Moderate
		Inflammation	Moderate
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Eye	Retina	Degeneration	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Int Sm Duoden			
	Note: TGL 4 - NCL		
* Kidney		Hydronephrosis	Mild
* Liver		Vacuolization Cytoplasmic	Mild
	[Vacuolization Cytoplasmic TGLs = 3-3]		
* Mammary Gland		Galactocele	
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Mild
	Note: TGL 5 also located on slide 12 with routine Stomach, forestomach section		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 461

TRT#: 9

SEX: Female

DAY ON TEST: 704

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700461

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 5-12+12A]

* Thymus

Atrophy

Minimal

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Uterus

Sarcoma Stromal

Note: TGL 2 also located on slide 7A with the Uterus body

[Sarcoma Stromal TGLs = 2-7B+7A]

PRIMARY CAUSE OF DEATH

- Uterus Sarcoma Stromal

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 462

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Inflammation	Minimal
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Infiltration Cellular	Lymphocyte, Mild
		Mineralization	Minimal
* Liver		Basophilic Focus	Multiple
	[Basophilic Focus TGLs = 3-3]		
* Lung		Granuloma	Mild
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLs = 4-9A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Moderate
	Note: TGL 2 - NCL		
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[Polyp Stromal TGLs = 1-7A]	Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 471

TRT#: 9

SEX: Female

DAY ON TEST: 711

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex		Hypertrophy Vacuolization Cytoplasmic	Focal, Moderate Marked
	[Hypertrophy TGLs = 5-9]		
* Clitoral Gland		Adenoma	
	[Adenoma TGLs = 1-7]		
* Eye		Cataract Degeneration	Moderate
	Retina		
	[Cataract TGLs = 14-13]		
	[Degeneration TGLs = 14-13]		
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Developmental Malformation Hepatodiaphragmatic Nodule	
	Left Lat Lobe		
	[Developmental Malformation TGLs = 4-3A]		
	[Hepatodiaphragmatic Nodule TGLs = 6-3B]		
* Lung		Sarcoma Stromal	Metastatic (Uterus)
	[Sarcoma Stromal TGLs = 7,8,9,10,11,12,13-4A+4B+4C+4D+4E+4F]		
* Lymph Node, Mesenteric		Atrophy Infiltration Cellular	Marked Histiocyte, Moderate
	Lymphocyte		
* Mammary Gland		Hyperplasia Lactation	Marked Marked
	Alveolus		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 471

TRT#: 9

SEX: Female

DAY ON TEST: 711

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700471

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 15-9A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Urinary Bladder		Dilatation	Marked
	[Dilatation TGLs = 2-8]		
* Uterus		Sarcoma Stromal	
	[Sarcoma Stromal TGLs = 3-7A]		

PRIMARY CAUSE OF DEATH - Uterus Sarcoma Stromal

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 472

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700472

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* 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	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Bone, Femur		Osteopetrosis	Marked
* Bone Marrow		Atrophy	Marked
* Clitoral Gland		Inflammation	Minimal
* Eye	Retina	Degeneration	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Granuloma	Minimal
	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
* Mammary Gland	Alveolus	Hyperplasia	Minimal
		Lactation	Minimal
* Nose		Osteopetrosis	Moderate
* Ovary		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2-9A]		
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 472

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700472

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 1-7A]

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 481

TRT#: 9

SEX: Female

DAY ON TEST: 519

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700481

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|--|---------------|---------------------------|----------|
| * Brain, Brain Stem
[Compression TGLs = 3-1] | Hypothalamus | Compression | Moderate |
| * Clitoral Gland
[Inflammation TGLs = 1-7] | | Inflammation | Moderate |
| * Eye | Retina | Degeneration | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Granuloma | Moderate |
| * Mammary Gland | Alveolus | Vacuolization Cytoplasmic | Moderate |
| Oral Mucosa
[Squamous Cell Papilloma TGLs = 4-14] | | Hyperplasia | Mild |
| | | Lactation | Moderate |
| | | Squamous Cell Papilloma | |
| * Ovary | | Atrophy | Marked |
| * Pancreas | Acinar Cell | Atrophy | Mild |
| * Pituitary Gland
[Adenoma TGLs = 2-9] | Pars Distalis | Adenoma | |
| * Spleen | | Pigmentation | Mild |
| * Thymus | | Atrophy | Mild |

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 481

TRT#: 9

SEX: Female

DAY ON TEST: 519

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700481

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL 4 - Noted grossly as Cavity, oral was Oral, mucosa

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 482

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700482

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
* Eye	Retina	Degeneration	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
	[Infiltration Cellular TGLs = 5-4A]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Moderate
		Lactation	Moderate
	[Fibroadenoma TGLs = 7-2A]		
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLs = 4-17]		
* Ovary		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 482

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700482

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLs = 6-9A]	Pars Distalis	Leukemia Mononuclear Adenoma	
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen [Leukemia Mononuclear TGLs = 2,3-9]		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 491

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700491

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Cerebellum | * Brain, Cerebrum | * 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 | * Nose | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---|--|----------------------------|-----------------------|
| * Brain, Brain Stem
[Compression TGLs = 4-1] | Hypothalamus | Compression | Moderate |
| * Clitoral Gland | | Inflammation | Mild |
| * Harderian Gland | | Atrophy | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | Median Lobe | Basophilic Focus | Multiple |
| | | Developmental Malformation | |
| | | Hepatodiaphragmatic Nodule | |
| | | Leukemia Mononuclear | |
| | | Sarcoma Stromal | Metastatic (Uterus) |
| | [Developmental Malformation TGLs = 6-3A] | | |
| | [Hepatodiaphragmatic Nodule TGLs = 2-3] | | |
| | [Sarcoma Stromal TGLs = 7-3B] | | |
| * Lymph Node, Mandibular
[Infiltration Cellular TGLs = 5-10+10A] | | Infiltration Cellular | Plasma Cell, Moderate |
| * Mammary Gland | | Fibroadenoma | |
| | | Galactocele | |
| | Alveolus | Hyperplasia | Mild |
| | | Lactation | Minimal |
| | [Fibroadenoma TGLs = 8-2A] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 491

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700491

ORGAN AND ACCOUNTABLE SITE STATUS

[Galactocoele TGLs = 8-2A]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLs = 1-17]			
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 3-9A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
* Thymus		Atrophy	Mild
* Uterus		Sarcoma Stromal	

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 492

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700492

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--|---------------|----------------------------|----------|
| * Adrenal Cortex | | Angiectasis | Moderate |
| [Angiectasis TGLs = 3-9] | | | |
| * Brain, Brain Stem | Hypothalamus | Compression | Moderate |
| [Compression TGLs = 6-1] | | | |
| * Clitoral Gland | Duct | Ectasia | Mild |
| | | Inflammation | Mild |
| [Inflammation TGLs = 1-7] | | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Marked |
| [Nephropathy TGLs = 9-8] | | | |
| * Liver | Left Lat Lobe | Angiectasis | Mild |
| | | Developmental Malformation | |
| | | Eosinophilic Focus | |
| | | Granuloma | Mild |
| | Bile Duct | Hyperplasia | Mild |
| [Angiectasis TGLs = 5-3B] | | | |
| [Developmental Malformation TGLs = 4-3A] | | | |
| [Eosinophilic Focus TGLs = 5-3B] | | | |
| * Mammary Gland | Alveolus | Hyperplasia | Mild |
| | | Lactation | Mild |
| * Ovary | | Atrophy | Marked |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 492

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700492

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 7-9A]			
* Skin		Inflammation	Mild
	Epidermis	Necrosis	Mild
[Inflammation TGLs = 8-2A]			
[Necrosis TGLs = 8-2A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLs = 2-7A]			

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 501

TRT#: 9

SEX: Female

DAY ON TEST: 606

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700501

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Infarct	Mild
		Vacuolization Cytoplasmic	Moderate
* Heart		Cardiomyopathy	Minimal
Note: TGL 7 - NST (Heart, focus - not found at trim)			
* Kidney		Infarct	Mild
[Infarct TGLs = 6-8A]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 5-3]			
* Lung		Leukemia Mononuclear	
Note: TGL 8 - NCL			
Note: TGL 11 - NCL			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric	Lymphocyte	Atrophy	Moderate
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLs = 1-2A]			
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLs = 9-9A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 501

TRT#: 9

SEX: Female

DAY ON TEST: 606

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700501

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-9]		
* Stomach, Forestomach		Edema	Mild
		Hyperplasia	Mild
	[Edema TGLs = 10-12A]		
	[Hyperplasia TGLs = 10-12A]		
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Inflammation	Mild
	[Hyperplasia TGLs = 2-7A]		
	[Inflammation TGLs = 2-7A]		
Vagina	Mucocyte	Metaplasia	Moderate
	[Metaplasia TGLs = 3-17]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Liver Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 502

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700502

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Inflammation	Minimal
Note: TGL 2 - NCL			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Vacuolization Cytoplasmic	Minimal
Note: TGL 4 - NCL			
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLs = 1-2A]			
* Ovary		Atrophy	Mild
		Cyst	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 5-9]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Thymus			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 502

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700502

ORGAN AND ACCOUNTABLE SITE STATUS

Note: RC/WT attempted

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Uterus

Polyp Stromal

[Polyp Stromal TGLs = 3-7A]

Zymbal's Gland

Carcinoma

[Carcinoma TGLs = 6-17]

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 561

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700561

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* 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	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Inflammation	Marked
[Inflammation TGLs = 1-7]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Adenoma	
[Adenoma TGLs = 3-8A]		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
Note: TGL 6 - NCL	Bile Duct	Hyperplasia	Minimal
[Hepatodiaphragmatic Nodule TGLs = 4-3A]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Note: TGL 5 - NCL			
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Thymus		Atrophy	Mild
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 561

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700561

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLs = 2-7A]

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 562

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700562

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Stomach, Glandular	* Trachea

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Brain, Brain Stem	Hypothalamus	Compression	Mild
[Compression TGLs = 9-1]			
* Clitoral Gland		Inflammation	Mild
* Harderian Gland		Atrophy	Moderate
* Heart	Atrium	Thrombosis	
[Thrombosis TGLs = 10-2]			
* Kidney		Nephropathy	Mild
* Liver	Left Lat Lobe	Developmental Malformation	
[Developmental Malformation TGLs = 5-3A]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4-3]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
* Mammary Gland		Galactocele	
[Galactocele TGLs = 2-2A]			
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 8-9A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 562

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700562

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-9]		
* Stomach, Forestomach		Edema	Moderate
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Carcinoma	
	[Carcinoma TGLs = 7-6]		
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 1-7A]		

Animal Note: TGL 6 - NST (Cavity, thoracic, fluid)

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 571

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700571

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Adrenal Medulla		Pheochromocytoma Malignant	
* Clitoral Gland		Inflammation	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Granuloma	Minimal
		Granuloma	Mild
* Lung			
	[Granuloma TGLs = 4-4A]		
* Mammary Gland		Fibroadenoma	
		Galactocele	
		Hyperplasia	Mild
	[Fibroadenoma TGLs = 1-2A]		
	[Galactocele TGLs = 2-2B]		
* Ovary		Atrophy	Mild
* Pituitary Gland		Adenoma	
	[Adenoma TGLs = 3-9A]		
* Spinal Cord, Cervical		Degeneration	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 572

TRT#: 10

SEX: Female

DAY ON TEST: 512

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500700572

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Esophagus | * Eye | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Pituitary Gland | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|--|---------------|----------------------------|----------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Brain, Brain Stem | | Leukemia Mononuclear | |
| * Brain, Cerebellum | | Leukemia Mononuclear | |
| Note: TGL 8 is located on slide 1B | | | |
| [Leukemia Mononuclear TGLs = 8-1B] | | | |
| * Brain, Cerebrum | | Leukemia Mononuclear | |
| Note: TGL 9 is located on slide 1A | | | |
| [Leukemia Mononuclear TGLs = 9-1A] | | | |
| * Clitoral Gland | | Inflammation | Mild |
| * Kidney | | Mineralization | Minimal |
| * Liver | Left Lat Lobe | Developmental Malformation | |
| [Developmental Malformation TGLs = 6-3A] | | | |
| [Leukemia Mononuclear TGLs = 5-3+3A] | | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 4-11] | | | |
| * Ovary | | Atrophy | Mild |
| * Pituitary Gl | | | |
| Note: TGL 7 - NCL | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 572

TRT#: 10

SEX: Female

DAY ON TEST: 512

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500700572

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 10-5]		
* Spinal Cord, Lumbar		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 12-5B]		
* Spinal Cord, Thoracic		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 11-5A]		
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 2,3-9A+9B]		
* Thymus		Atrophy	Moderate
Vagina		Mucocyte	Moderate
[Metaplasia	TGLs = 1-7B]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 581

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700581

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Brain, Cerebrum | * 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 | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|------------------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex | | Angiectasis | Mild |
| * Brain, Brain Stem | Hypothalamus | Compression | Mild |
| [Compression TGLs = 4-1A] | | | |
| * Clitoral Gland | Duct | Ectasia | Mild |
| | | Inflammation | Mild |
| [Ectasia TGLs = 1-7] | | | |
| [Inflammation TGLs = 1-7] | | | |
| * Eye | Retina | Degeneration | Minimal |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Infiltration Cellular | Lymphocyte, Minimal |
| Note: TGL 3 - NCL | | | |
| Note: TGL 6 - NCL | | | |
| [Eosinophilic Focus TGLs = 7-3A] | | | |
| * Mammary Gland | | Fibroadenoma | |
| | Alveolus | Hyperplasia | Mild |
| | | Lactation | Moderate |
| [Fibroadenoma TGLs = 2-2A] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 581

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700581

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 5-9A]			
* Thymus		Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 582

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700582

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* 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, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Clitoral Gland	Duct	Ectasia	Moderate
		Inflammation	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	Median Lobe	Developmental Malformation	
	[Basophilic Focus TGLs = 3-3]		
	[Developmental Malformation TGLs = 4-3A]		
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2-9A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Thymus		Atrophy	Mild
* Uterus			

Note: TGL 1 - NCL

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 591

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700591

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * 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 | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--|---------------------------------------|-----------------------|---------------------|
| * Adrenal Cortex | | Angiectasis | Mild |
| * Eye | Retina | Degeneration | Mild |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | Multiple |
| Note: TGL 8 - NCL | | | |
| | [Basophilic Focus TGLs = 6,7-3A+3] | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | [Infiltration Cellular TGLs = 3-4A] | | |
| * Lymph Node, Mesenteric | | Hemorrhage | Mild |
| * Mammary Gland | Alveolus | Fibroadenoma | |
| | [Fibroadenoma TGLs = 1,5-2A+2B] | Hyperplasia | Mild |
| * Ovary | | Atrophy | Marked |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 4-9A] | | |
| * Spinal Cord, Cervical | Axon | Degeneration | Minimal |
| * Thymus | | Atrophy | Mild |
| * Uterus | | Polyp Stromal | |
| Note: The polyp is infarcted and completely necrotic | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 591

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700591

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLs = 2-7A]

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 592

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700592

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Lymph Node, Mesenteric | * Nose | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|---|---------------|----------------------|-------------------------------------|
| * Adrenal Cortex | | Angiectasis | Mild |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Clitoral Gland | Duct | Ectasia | Moderate |
| | | Inflammation | Moderate |
| Note: TGL 6 - Noted grossly as Clitoral gland was Skin, subcutaneous tissue | | | |
| | | | [Ectasia TGLs = 1-7] |
| | | | [Inflammation TGLs = 1-7] |
| * Heart | | Cardiomyopathy | Mild |
| * Liver | | Leukemia Mononuclear | |
| | | | [Leukemia Mononuclear TGLs = 5-3] |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Mammary Gland | Alveolus | Hyperplasia | Minimal |
| | | Lactation | Moderate |
| Mesentery | Fat | Necrosis | Moderate |
| | | | [Necrosis TGLs = 2-17] |
| * Ovary | | Atrophy | Mild |
| * Pancreas | Acinar Cell | Atrophy | Minimal |
| | | Leukemia Mononuclear | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | | | [Adenoma TGLs = 4-9A] |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 592

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500700592

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Inflammation	Moderate
	[Inflammation TGLs = 6-7]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-9]		
* Thymus		Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 661

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700661

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Clitoral Gland | * 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, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|-----------------------|---|-----------------------|---------------------|
| * Adrenal Cortex | | Angiectasis | Mild |
| * Adrenal Medulla | | Lymphoma Malignant | |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Lymphoma Malignant | |
| * Liver | | Basophilic Focus | Multiple |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Infiltration Cellular | Lymphocyte, Mild |
| | [Eosinophilic Focus TGLs = 2,3-3A+3B] | | |
| * Mammary Gland | Alveolus | Hyperplasia | Mild |
| * Ovary | | Atrophy | Mild |
| * Pancreas | Acinar Cell | Atrophy | Minimal |
| * Spinal Cord, Lumbar | Nerve | Degeneration | Minimal |
| * Thymus | | Atrophy | Mild |
| * Uterus | | Polyp Stromal | |
| | [Polyp Stromal TGLs = 1-7A] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 662

TRT#: 9

SEX: Female

DAY ON TEST: 579

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700662

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Pituitary Gland | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|-----------------------|--|----------------------------|----------|
| * Bone Marrow | | Atrophy | Mild |
| * Clitoral Gland | | Inflammation | Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | Left Lat Lobe | Developmental Malformation | |
| | [Basophilic Focus TGLs = 3,4-3+3B] | | |
| | [Developmental Malformation TGLs = 1-3A] | | |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 2-2A] | | |
| * Ovary | | Atrophy | Minimal |
| * Spinal Cord, Lumbar | Nerve | Degeneration | Minimal |
| * Thymus | | Atrophy | Mild |

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 671

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700671

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
	[Pheochromocytoma Malignant TGLs = 2-9]		
* Clitoral Gland		Adenoma	
	[Adenoma TGLs = 1-7B]		
* Heart		Cardiomyopathy	Mild
		Schwannoma Malignant	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
	[Basophilic Focus TGLs = 4,5-3A+3]		
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Nose		Inflammation	Mild
* Ovary		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	[Cyst TGLs = 3-9]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Thymus		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 672

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700672

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Clitoral Gland		Carcinoma	
[Carcinoma TGLs = 1-7]			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Granuloma	Mild
Note: TGL 4 - NCL			
[Basophilic Focus TGLs = 3-3]			
* Lung			
Note: TGL 5 - NCL			
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Ovary		Atrophy	Moderate
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 6-9A]			
* Spleen		Leukemia Mononuclear	
* Thymus		Atrophy	Mild
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 672

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700672

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLs = 2-7A]

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 681

TRT#: 9

SEX: Female

DAY ON TEST: 655

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700681

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Cerebellum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skeletal Muscle | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|---|--------------|----------------------|----------|
| * Adren Cortex | | | |
| Note: TGL 5 - NCL | | | |
| Note: TGL 6 - NCL | | | |
| * Adren Medulla | | | |
| Note: TGL 5 - NCL | | | |
| Note: TGL 6 - NCL | | | |
| * Brain, Brain Stem | Hypothalamus | Compression | Moderate |
| [Compression TGLs = 13-1] | | | |
| * Brain, Cerebrum | Ventricle | Dilatation | Mild |
| * Clitoral Gland | | Adenoma | |
| [Adenoma TGLs = 1-7] | | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| Lacrimal Gland | | Metaplasia | Mild |
| Note: Exorbital | | | |
| [Metaplasia TGLs = 3-17] | | | |
| * Liver | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 7,8,9,10-3+3A+3B+3C] | | | |
| * Lung | | Leukemia Mononuclear | |
| * Lym Node Mand | | | |
| Note: TGL 2 - NCL | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 681

TRT#: 9

SEX: Female

DAY ON TEST: 655

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700681

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 11-17A]		
* Mammary Gland	Alveolus	Hyperplasia	Moderate
		Lactation	Moderate
* Nose		Inflammation	Mild
* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma	TGLs = 14-9]		
* Skin		Inflammation	Moderate
[Inflammation	TGLs = 12-2A]		
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 4-9]		
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 682

TRT#: 9

SEX: Female

DAY ON TEST: 718

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|--------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--|---------------|----------------------|----------|
| * Brain, Brain Stem | Hypothalamus | Compression | Mild |
| [Compression TGLs = 13-1A] | | | |
| * Clitoral Gland | | Carcinoma | |
| | | Inflammation | Moderate |
| [Carcinoma TGLs = 1-7] | | | |
| [Inflammation TGLs = 2-7] | | | |
| * Heart | | Leukemia Mononuclear | |
| * Intestine Large, Cecum | Lymphoid Tiss | Hyperplasia | Mild |
| [Hyperplasia TGLs = 7-12A] | | | |
| * Intestine Small, Ileum | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 15-12B] | | | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 8,9,10,14-3+3A+3B+3C] | | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Mammary Gland | | Galactocele | |
| Mesentery | Fat | Necrosis | Mild |
| [Necrosis TGLs = 3-17] | | | |
| * Ovary | | Atrophy | Moderate |
| * Pancreas | Acinar Cell | Atrophy | Mild |
| | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 682

TRT#: 9

SEX: Female

DAY ON TEST: 718

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700682

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLs = 16-10B]
[Leukemia Mononuclear TGLs = 4-10A]
* Pituitary Gland Pars Distalis Cyst
[Cyst TGLs = 12-9A]
* Spinal Cord, Cervical Axon Degeneration Minimal
* Spinal Cord, Thoracic Axon Degeneration Minimal
* Spleen Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 5-9]
* Thymus Atrophy Mild
* Thyroid GI
Note: TGL 11 - NCL
* Uterus Polyp Stromal
Vagina Mucocyte Metaplasia Moderate
[Metaplasia TGLs = 6-17A]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 691

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
[Hyperplasia TGLs = 4-12A]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
Note: TGL 2 - NCL			
[Basophilic Focus TGLs = 3-3+3B]			
* Lymph Node, Mesenteric		Hemorrhage	Moderate
* Mammary Gland	Alveolus	Hyperplasia	Minimal
		Lactation	Mild
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 1-9]			
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
* Thymus		Atrophy	Mild
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 692

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Inflammation	Moderate
	[Inflammation TGLs = 3-7]		
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
	[Fibroadenoma TGLs = 1,2,4,6-2A+2B+2C+2D]		
* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 7-9A]		
* Thymus		Atrophy	Mild
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLs = 5-7A]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 701

TRT#: 9

SEX: Female

DAY ON TEST: 610

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700701

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Clitoral Gland | * Esophagus | * Eye | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Pituitary Gland | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|-------------------------|-------------------------------------|-----------------------|---------------------|
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Kidney | | Mineralization | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 2-3] | | |
| * Lung | | Granuloma | Minimal |
| | | Leukemia Mononuclear | |
| * Ovary | | Atrophy | Mild |
| * Spinal Cord, Thoracic | Axon | Degeneration | Minimal |
| * Spleen | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 1-9] | | |
| * Thymus | | Atrophy | Mild |

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 702

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700702

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
	[Adenoma TGLs = 1,2-7+7B]		
* Heart		Cardiomyopathy	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 9-3]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Mild
	Lumbar	Leukemia Mononuclear	
	[Degeneration TGLs = 7-17]		
	[Leukemia Mononuclear TGLs = 7-17]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Adenocarcinoma	
		Fibroadenoma	
	Alveolus	Hyperplasia	Moderate

Note: TGL 4 is a Mammary gland Adenocarcinoma with significant areas of Squamous differentiation.

[Adenocarcinoma TGLs = 4-2B]

[Fibroadenoma TGLs = 3,5-2A+2C]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 702

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700702

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
	[Adenoma TGLs = 8-9A]		
	[Leukemia Mononuclear TGLs = 8-9A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-9]		
* Thymus		Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 761

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland	Duct	Ectasia	Moderate
		Inflammation	Mild
	[Ectasia TGLs = 2-7]		
	[Inflammation TGLs = 2-7]		
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
		Leukemia Mononuclear	
	[Basophilic Focus TGLs = 8-3C]		
	[Eosinophilic Focus TGLs = 6,7-3A+3B]		
	[Leukemia Mononuclear TGLs = 9-3]		
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLs = 3-17]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 761

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700761

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary	Atrophy	Mild
* Pituitary Gl Note: RC/WT attempted		
* Skin [Inflammation TGLs = 1-2A]	Inflammation	Mild
* Spleen [Leukemia Mononuclear TGLs = 5-9]	Leukemia Mononuclear	
* Thymus	Atrophy Cyst	Mild
* Uterus [Polyp Stromal TGLs = 4-7A]	Polyp Stromal	

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 762

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700762

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* 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
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Brain, Brain Stem	Hypothalamus	Compression	Minimal
[Compression TGLs = 7-1]			
* Clitoral Gland		Inflammation	Moderate
[Inflammation TGLs = 2-7]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	Multiple
		Granuloma	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 5-3]			
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Moderate
		Lactation	Mild
[Fibroadenoma TGLs = 1-2A]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLs = 3,6-17+17A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 762

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700762

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Minimal
* Ovary		Atrophy	Moderate
* Parathyroid GI			
Note: RC/RE attempted			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 8-9A]			
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4-9]			
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 771

TRT#: 8

SEX: Female

DAY ON TEST: 694

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700771

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---|----------------|----------------------------------|---------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Marked |
| * Brain, Brain Stem | Hypothalamus | Compression | Mild |
| [Compression TGLs = 10-1A] | | | |
| * Clitoral Gland | | Carcinoma | |
| [Carcinoma TGLs = 1-7] | | | |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney | Renal Tubule | Carcinoma | |
| [Carcinoma TGLs = 4-8A] | | | |
| * Liver | | Hematopoietic Cell Proliferation | Minimal |
| | | Vacuolization Cytoplasmic | Moderate |
| * Lung | | Carcinoma | Metastatic (Kidney) |
| [Carcinoma TGLs = 5,6,7,8,9-4A+4B+4C+4D+4E] | | | |
| * Lymph Node, Mesenteric | Medulla, Sinus | Dilatation | Moderate |
| | | Hemorrhage | Mild |
| * Mammary Gland | | Fibroadenoma | |
| | Alveolus | Hyperplasia | Moderate |
| | | Lactation | Marked |
| [Fibroadenoma TGLs = 12-2A] | | | |
| * Nose | | Inflammation | Mild |
| * Ovary | | Atrophy | Marked |
| * Pancreas | Acinar Cell | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 771

TRT#: 8

SEX: Female

DAY ON TEST: 694

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700771

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 11-9]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLs = 3-9]			
* Thymus		Atrophy	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLs = 2-7A]			

PRIMARY CAUSE OF DEATH - Kidney Renal Tubule Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 772

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700772

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Carcinoma	
	[Carcinoma TGLs = 1-7B]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
	[Basophilic Focus TGLs = 3-3]	Granuloma	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 4-4A]		
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5-9A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 2-7A]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 781

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700781

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Adenoma	
	[Adenoma TGLs = 1-7]		
* Eye	Retina	Degeneration	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	Multiple
		Granuloma	Moderate
		Vacuolization Cytoplasmic	Moderate
	Note: TGL 9 - NCL		
	[Basophilic Focus TGLs = 8,10-3A+3]		
* Lung		Granuloma	Mild
		Inflammation	Mild
	[Granuloma TGLs = 6,11-4A+4B]		
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
	[Fibroadenoma TGLs = 2,3,4-2A+2B+2C]		
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 7-9]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 781

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700781

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Uterus		Polyp Stromal	

[Polyp Stromal TGLs = 5-7B]

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 782

TRT#: 8

SEX: Female

DAY ON TEST: 725

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700782

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland	Duct	Ectasia	Mild
		Inflammation	Mild
	[Ectasia TGLs = 4-7]		
	[Inflammation TGLs = 4-7]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney			
	Note: TGL 8 - NCL		
* Liver		Hepatocellular Adenoma	
		Leukemia Mononuclear	
		Thrombosis	Moderate
		Vacuolization Cytoplasmic	Moderate
	[Hepatocellular Adenoma TGLs = 10-3A]		
	[Leukemia Mononuclear TGLs = 9-3]		
	[Vacuolization Cytoplasmic TGLs = 10-3A]		
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Mild
	[Degeneration TGLs = 3-10A]		
	[Infiltration Cellular TGLs = 3-10A]		
* Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 782

TRT#: 8

SEX: Female

DAY ON TEST: 725

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700782

ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolus	Hyperplasia	Minimal
		Lactation	Mild
[Fibroadenoma TGLs = 2-2B]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLs = 6-17]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 11-9A]			
* Skin		Inflammation	Mild
		Ulcer	Mild
[Inflammation TGLs = 1-2A]			
[Ulcer TGLs = 1-2A]			
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 7-9]			
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 5-7A]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 791

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700791

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Clitoral Gland		Carcinoma	
	[Carcinoma TGLs = 1-7B]		
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
	[Basophilic Focus TGLs = 4-3]		
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
* Lymph Node, Mesenteric		Degeneration	Cystic, Minimal
* Mammary Gland	Alveolus	Hyperplasia	Minimal
		Lactation	Mild
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-9A]		
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Thymus		Atrophy	Mild
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLs = 2-7A]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 792

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700792

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	Left Lat Lobe	Developmental Malformation	
	[Basophilic Focus TGLs = 5-3]		
	[Developmental Malformation TGLs = 4-3A]		
* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-9A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Angiectasis	Moderate
		Polyp Stromal	
	[Angiectasis TGLs = 2-7A]		
	[Polyp Stromal TGLs = 1-7B]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 801

TRT#: 8

SEX: Female

DAY ON TEST: 376

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700801

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Clitoral Gland | * Esophagus | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Pituitary Gland | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | | |
|--|---------|----------------------------------|----------------|
| * Eye | Retina | Degeneration | Mild |
| * Kidney | | Mineralization | Minimal |
| * Liver | Capsule | Fibrosis | Minimal |
| | | Hematopoietic Cell Proliferation | Minimal |
| Note: TGL 3 - NCL
[Fibrosis TGLs = 2-3] | | | |
| * Lung | | | |
| Note: TGL 4 - NCL | | | |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Mammary Gland | | Fibroadenoma | |
| [Fibroadenoma TGLs = 1-2A] | | | |
| * Ovary | | Atrophy | Mild |

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 802

TRT#: 8

SEX: Female

DAY ON TEST: 683

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose	* Peripheral Nerve, Sciatic
* Skeletal Muscle	* Skin	* Trachea	* Uterus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	
* Brain, Cerebrum		Leukemia Mononuclear	
* Clitoral Gland	Duct	Ectasia	Moderate
		Inflammation	Mild
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Heart		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 10-2]		
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Islets, Pancreatic		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Axillary	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-17]		
	[Leukemia Mononuclear TGLs = 8-17B]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 11-11]		
* Mammary Gland	Alveolus	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 802

TRT#: 8

SEX: Female

DAY ON TEST: 683

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700802

ORGAN AND ACCOUNTABLE SITE STATUS

Lactation Moderate

Leukemia Mononuclear

Mesentery

[Leukemia Mononuclear TGLs = 6-17A]

Atrophy

Moderate

* Ovary

* Pancreas

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 5-10]

* Parathyroid Gland

Leukemia Mononuclear

* Pituitary Gland

Pars Distalis

Adenoma

* Salivary Glands

Leukemia Mononuclear

* Spinal Cord, Cervical

Axon

Degeneration

Minimal

* Spinal Cord, Lumbar

Axon

Degeneration

Minimal

* Spinal Cord, Thoracic

Axon

Degeneration

Minimal

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 4-9]

* Stomach, Forestomach

Leukemia Mononuclear

* Stomach, Glandular

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 12-12]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 9-10]

* Thyroid Gland

Leukemia Mononuclear

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 811

TRT#: 7

SEX: Female

DAY ON TEST: 257

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700811

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Clitoral Gland	Duct	Ectasia	Mild
		Inflammation	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Liver		Granuloma	Minimal
* Nose		Foreign Body	Moderate
		Inflammation	Moderate
* Ovary		Atrophy	Mild
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

- Nose Inflammation

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 812

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700812

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Adenoma	
[Adenoma TGLs = 4-9]			
* Brain, Brain Stem	Hypothalamus	Compression	Mild
[Compression TGLs = 7-1]			
* Clitoral Gland	Duct	Adenoma	
		Ectasia	Moderate
[Ectasia TGLs = 1-7]			
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
[Basophilic Focus TGLs = 5-3A]			
[Eosinophilic Focus TGLs = 8-3B]			
* Mammary Gland	Alveolus	Fibroadenoma	
		Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLs = 2-2A]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLs = 3-17]			
* Ovary		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 812

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700812

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Atrophy	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 6-9A]			
Spinal Cord		Keratin Cyst	
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicle	Cyst	

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 821

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700821

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Brain, Cerebrum | * 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 | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--|--------------|-----------------------|------------------|
| * Adrenal Cortex | | Angiectasis | Mild |
| * Brain, Brain Stem | Hypothalamus | Compression | Moderate |
| [Compression TGLs = 5-1A] | | | |
| * Clitoral Gland | | Carcinoma | |
| [Carcinoma TGLs = 1-7B] | | | |
| * Eye | Retina | Degeneration | Minimal |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | Multiple |
| | | Eosinophilic Focus | |
| Note: TGL 10 - NCL | | | |
| [Basophilic Focus TGLs = 6,7,9-3A+3B+3D] | | | |
| [Eosinophilic Focus TGLs = 8-3C] | | | |
| * Lung | | Granuloma | Mild |
| [Granuloma TGLs = 3-4A] | | | |
| * Mammary Gland | | Fibroadenoma | |
| | Alveolus | Hyperplasia | Minimal |
| [Fibroadenoma TGLs = 2,11-2A+2B] | | | |
| * Ovary | | Atrophy | Marked |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 821

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700821

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLs = 4-9]	Pars Distalis	Adenoma	
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Thymus		Atrophy	Mild
* Uterus		Polyp Stromal	

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 822

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700822

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Inflammation	Mild
	[Inflammation TGLs = 1-7]		
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	Multiple
	Left Lat Lobe	Developmental Malformation	
		Granuloma	Mild
Note: TGL 8 - NCL			
	[Basophilic Focus TGLs = 6-3A]		
	[Developmental Malformation TGLs = 9-3D]		
	[Granuloma TGLs = 7-3B]		
Lymph Node			
Note: TGL 2 - Noted grossly as Lymph node, inguinal was Mammary gland			
* Mammary Gland	Alveolus	Hyperplasia	Marked
	[Hyperplasia TGLs = 2-17]		
* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5-9]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 822

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700822

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Uterus		Polyp Stromal	

[Polyp Stromal TGLs = 3,4-7A]

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 831

TRT#: 7

SEX: Female

DAY ON TEST: 428

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700831

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | | | |

OBSERVATIONS

- | | | | |
|-------------------|--|---------------------------|---------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Clitoral Gland | | Inflammation | Moderate |
| * Liver | Centrilobular | Cytoplasmic Alteration | Moderate |
| | [Cytoplasmic Alteration TGLs = 3-3] | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | Note: TGL 4 is located on slide 4 only | | |
| | [Infiltration Cellular TGLs = 4-4] | | |
| * Ovary | | Atrophy | Moderate |
| * Spleen | Red Pulp | Hyperplasia | Mild |
| | [Hyperplasia TGLs = 2-9] | | |
| * Thymus | | Atrophy | Mild |
| * Urinary Bladder | | Dilatation | Marked |
| | [Dilatation TGLs = 1-8] | | |
| * Uterus | | Polyp Stromal | |
| | [Polyp Stromal TGLs = 5-7A+7B] | | |

PRIMARY CAUSE OF DEATH - Uterus Polyp Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 832

TRT#: 7

SEX: Female

DAY ON TEST: 728

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700832

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Brain, Cerebrum | * 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, Mandibular | * Lymph Node, Mesenteric | * Nose | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|---------------------|--|---------------------------|------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Brain, Brain Stem | Hypothalamus | Compression | Moderate |
| | [Compression TGLs = 3-1A] | | |
| * Clitoral Gland | | Inflammation | Mild |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Vacuolization Cytoplasmic | Marked |
| | [Vacuolization Cytoplasmic TGLs = 2-3] | | |
| * Mammary Gland | Alveolus | Hyperplasia | Mild |
| | | Lactation | Mild |
| * Ovary | | Atrophy | Moderate |
| | | Cyst | |
| * Pancreas | Acinar Cell | Atrophy | Mild |
| * Parathyroid GI | | | |
| | Note: No RC per pathologist | | |
| * Pituitary Gland | Pars Distalis | Carcinoma | |
| | [Carcinoma TGLs = 4-9A] | | |
| * Spleen | | Pigmentation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 832

TRT#: 7

SEX: Female

DAY ON TEST: 728

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700832

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

Hyperplasia

Mild

* Thymus

Atrophy

Moderate

Vagina

Inflammation

Mild

[Inflammation TGLs = 1-17]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 841

TRT#: 7

SEX: Female

DAY ON TEST: 286

DOSE: 0.35 ACRYL

DISP: Natural Death

HISTO: 021500700841

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|----------------------|--------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Brain Stem | * Esophagus | * Harderian Gland | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Mammary Gland |
| * Ovary | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Pituitary Gland | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Uterus | | | |

AUTO PRECLUDES DIAG.

- | | | | |
|--------------------------|----------------------------|--------------------------|-----------------------------|
| * Bone Marrow | * Eye | * Intestine Large, Cecum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | | |

OBSERVATIONS

- | | | | |
|--------------------------|---|----------------------------|----------|
| * Brain, Cerebellum | | Leukemia Mononuclear | |
| * Brain, Cerebrum | | Leukemia Mononuclear | |
| * Clitoral Gland | | Inflammation | Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Mild |
| * Liver | Left Lat Lobe | Developmental Malformation | |
| | [Developmental Malformation TGLs = 2-3] | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Nose | | Inflammation | Moderate |
| * Spinal Cord, Cervical | | Hemorrhage | Mild |
| * Spinal Cord, Lumbar | | Leukemia Mononuclear | |
| * Spinal Cord, Thoracic | | Leukemia Mononuclear | |
| * Spleen | | Leukemia Mononuclear | |
| * Thymus | | Atrophy | Mild |
| * Urinary Bladder | | Dilatation | Moderate |
| | [Dilatation TGLs = 1-8] | | |

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 841

TRT#: 7

SEX: Female

DAY ON TEST: 286

DOSE: 0.35 ACRYL

DISP: Natural Death

HISTO: 021500700841

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH - Liver Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 842

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700842

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Granuloma	Minimal
	[Basophilic Focus TGLs = 9-3]		
* Mammary Gland	Alveolus	Fibroadenoma	
		Hyperplasia	Moderate
		Lactation	Moderate
	[Fibroadenoma TGLs = 4-2D]		
* Ovary		Atrophy	Mild
		Cyst	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 8-9A]		
* Skin		Inflammation	Marked
		Ulcer	Marked
	[Inflammation TGLs = 1,2,3-2A+2B+2C]		
	[Ulcer TGLs = 1,2,3-2A+2B+2C]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 842

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700842

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Thymus		Atrophy	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLs = 5,6,7-7B+7A]			

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 851

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700851

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Clitoral Gland |
| * 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, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---------------------------------|---------------|-----------------------|------------------|
| * Adrenal Cortex | | Angiectasis | Minimal |
| * Clitoral Gland | | | |
| Note: TGL 1 - NCL | | | |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Mild |
| Note: TGL 3 - NCL | | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | | Granuloma | Mild |
| | Bile Duct | Hyperplasia | Minimal |
| [Basophilic Focus TGLs = 2-3] | | | |
| * Mammary Gland | Alveolus | Hyperplasia | Mild |
| | | Lactation | Minimal |
| * Ovary | | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLs = 4-9A] | | | |
| * Spinal Cord, Thoracic | Axon | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 852

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700852

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Nose | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|-------------------|---|----------------------------|----------|
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Brain, Cerebrum | | Astrocytoma Nos | |
| * Clitoral Gland | | Adenoma | |
| | [Adenoma TGLs = 2-7] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Mild |
| * Liver | Left Lat Lobe | Developmental Malformation | |
| | Median Lobe | Developmental Malformation | |
| | Bile Duct | Hepatodiaphragmatic Nodule | |
| | | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| | [Developmental Malformation TGLs = 11-3A] | | |
| | [Developmental Malformation TGLs = 13-3C] | | |
| | [Hepatodiaphragmatic Nodule TGLs = 12-3B] | | |
| | [Leukemia Mononuclear TGLs = 14-3] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Renal | Leukemia Mononuclear | |
| | Lumbar | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 5-17] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 852

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700852

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear	TGLs = 6-17A]		
[Leukemia Mononuclear	TGLs = 8-17B]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 9-11]		
* Mammary Gland	Alveolus	Hyperplasia	Moderate
		Lactation	Moderate
* Ovary		Atrophy	Marked
* Pancreas		Leukemia Mononuclear	
* Parathyroid GI			
Note: No RC per pathologist			
* Pituitary Gland		Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Moderate
[Angiectasis	TGLs = 10-9]		
[Hyperplasia	TGLs = 10-9]		
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 3,4-9A]		
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 7-10]		
* Thyroid Gland	C Cell	Adenoma	
* Urinary Bladder		Leukemia Mononuclear	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 911

TRT#: 6

SEX: Female

DAY ON TEST: 429

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700911

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Atrophy	Moderate
* Heart		Leukemia Mononuclear	
* Kidney		Mineralization	Minimal
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Necrosis	Moderate
	[Necrosis TGLs = 3-17]		
* Ovary		Cyst	
	[Cyst TGLs = 1-7]		
* Spleen		Leukemia Mononuclear	
* Thymus		Atrophy	Mild
* Uterus	Horn	Dilatation	Moderate
	[Dilatation TGLs = 2-7]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 912

TRT#: 6

SEX: Female

DAY ON TEST: 352

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700912

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * 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 | * Mammary Gland | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|--------------------------|--------------|-----------------------|-------------------|
| * Bone Marrow | Myeloid Cell | Hyperplasia | Mild |
| * Eye | Retina | Degeneration | Mild |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Granuloma | Mild |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Nose | | Inflammation | Mild |
| * Ovary | | Atrophy | Moderate |
| * Spleen | | Pigmentation | Mild |
| * Thymus | | Atrophy | Mild |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 921

TRT#: 6

SEX: Female

DAY ON TEST: 687

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700921

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Adrenal Cortex Note: TGL 5 - NCL		Hypertrophy	Focal, Moderate
* Adren Medulla Note: TGL 5 - NCL			
* Clitoral Gland	Duct	Ectasia Inflammation	Moderate Mild
[Ectasia TGLs = 1-7] [Inflammation TGLs = 1-7]			
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Marked
* Int Sm Duoden Note: TGL 7 - NCL			
* Kidney		Hydronephrosis	Mild
[Hydronephrosis TGLs = 6-8]			
* Liver	Hepatocyte	Hyperplasia Vacuolization Cytoplasmic	Moderate Mild
[Hyperplasia TGLs = 8-3] [Vacuolization Cytoplasmic TGLs = 8-3]			
* Mammary Gland		Fibroadenoma Lactation	Mild
[Fibroadenoma TGLs = 9-2A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 921

TRT#: 6

SEX: Female

DAY ON TEST: 687

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700921

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Urinary Bladder		Dilatation	Marked
	[Dilatation TGLs = 2-8]		
* Uterus		Sarcoma Stromal	
	[Sarcoma Stromal TGLs = 3-7A]		
Vagina		Sarcoma Stromal	Metastatic (Uterus)
	Note: TGL 4 is invasive rather than actually metastatic.		
	[Sarcoma Stromal TGLs = 4-17]		

PRIMARY CAUSE OF DEATH - Uterus Sarcoma Stromal

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 922

TRT#: 6

SEX: Female

DAY ON TEST: 723

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700922

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|------------------------------|--------------------------|----------------------------|-----------------------|
| * Adrenal Medulla | | Pheochromocytoma Malignant | |
| [Pheochromocytoma Malignant | TGLs = 3-9] | | |
| * Brain, Brain Stem | Hypothalamus | Compression | Mild |
| [Compression | TGLs = 7-1A] | | |
| * Clitoral Gland | | Inflammation | Mild |
| * Eye | Retina | Degeneration | Minimal |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Schwannoma Malignant | |
| * Liver | Left Lat Lobe | Basophilic Focus | Multiple |
| | | Developmental Malformation | |
| Note: TGL 5 - NCL | | | |
| Note: TGL 6 - NCL | | | |
| [Developmental Malformation | TGLs = 4-3A] | | |
| * Lymph Node, Mandibular | | Degeneration | Cystic, Mild |
| | | Infiltration Cellular | Plasma Cell, Moderate |
| * Mammary Gland | Alveolus | Fibroadenoma | |
| | | Hyperplasia | Moderate |
| | | Lactation | Moderate |
| [Fibroadenoma | TGLs = 1,9,10-2A+2B+2C] | | |
| * Nose | | Inflammation | Mild |
| * Ovary | | Atrophy | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 922

TRT#: 6

SEX: Female

DAY ON TEST: 723

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700922

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 8-9A]			
* Spinal Cord, Lumbar		Gliosis	Focal, Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Uterus		Sarcoma Stromal	
[Sarcoma Stromal TGLs = 2-7A+7B]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

CONTRIBUTORY CAUSE OF DEATH - Uterus Sarcoma Stromal

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 931

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700931

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Brain, Cerebrum | * 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, Mandibular | * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|--|----------------|---------------------------|---------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Brain, Brain Stem | Hypothalamus | Compression | Moderate |
| [Compression TGLs = 7-1A] | | | |
| * Clitoral Gland | Duct | Ectasia | Moderate |
| [Ectasia TGLs = 3-7] | | Inflammation | Mild |
| [Inflammation TGLs = 3-7] | | | |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | Transit Epithe | Carcinoma | |
| [Cyst TGLs = 5-8] | | Cyst | |
| | | Nephropathy | Marked |
| * Liver | | Basophilic Focus | Multiple |
| [Basophilic Focus TGLs = 9-3+3A] | | Hepatocellular Adenoma | |
| [Hepatocellular Adenoma TGLs = 6-3A] | | | |
| * Mammary Gland | | Fibroadenoma | |
| | | Galactocele | |
| | Alveolus | Hyperplasia | Moderate |
| | | Lactation | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 931

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700931

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLs = 1,2,10-2A+2B+2D]

[Galactocele TGLs = 4-2C]

* Nose		Inflammation	Mild
* Ovary		Atrophy	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 8-9A]		
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Thymus		Atrophy	Mild

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 932

TRT#: 6

SEX: Female

DAY ON TEST: 724

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700932

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* 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
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Focal, Mild
* Clitoral Gland	Duct	Ectasia	Moderate
		Inflammation	Moderate
	[Ectasia TGLs = 2-7]		
	[Inflammation TGLs = 2-7]		
* Eye	Retina	Degeneration	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	Multiple
	[Basophilic Focus TGLs = 5-3]		
* Lung		Granuloma	Mild
	[Granuloma TGLs = 6-4A]		
* Mammary Gland	Alveolus	Fibroadenoma	
		Hyperplasia	Mild
		Lactation	Minimal
	Note: TGL 1 - Noted grossly as Mammary gland was Skin		
	[Fibroadenoma TGLs = 3-2B]		
Oral Mucosa		Hyperplasia	Mild
	Note: Located on slide 14		
* Ovary		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 932

TRT#: 6

SEX: Female

DAY ON TEST: 724

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700932

ORGAN AND ACCOUNTABLE SITE STATUS

* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLs = 1-2A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Adenoma	
[Adenoma TGLs = 4-6]			

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 941

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700941

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule Angiectasis	Mild
[Accessory Adrenal Cortical Nodule TGLs = 7-9A]		
* Clitoral Gland	Duct Ectasia	Moderate
[Ectasia TGLs = 4-7]		
* Eye	Retina Degeneration	Mild
* Heart	Schwannoma Malignant	
[Schwannoma Malignant TGLs = 11-2D]		
* Liver	Basophilic Focus	Multiple
[Basophilic Focus TGLs = 10-3]		
* Lung	Granuloma	Mild
Note: TGL 9 - NCL		
[Granuloma TGLs = 8-4A]		
Lymph Node		
Note: TGL 3 - Noted grossly as Lymph node, inguinal was Mammary gland		
* Mammary Gland	Adenocarcinoma Fibroadenoma	
[Adenocarcinoma TGLs = 3-17]		
[Fibroadenoma TGLs = 2,5-2B+2C]		
* Nose	Fungus Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 941

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500700941

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa		Hyperplasia	Moderate
Note: Located on slide 14			
* Ovary		Atrophy	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Basal Cell Carcinoma	
[Basal Cell Carcinoma TGLs = 1-2A]			
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Carcinoma	
* Uterus		Polyp Stromal	
[Polyp Stromal TGLs = 6-7A]			

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 942

TRT#: 6

SEX: Female

DAY ON TEST: 563

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700942

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Moderate
[Inflammation TGLs = 1-7]			
* Liver			
Note: TGL 3 - NCL			
* Lymph Node, Mesenteric	Lymphocyte	Atrophy	Moderate
* Mammary Gland		Lactation	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLs = 4-17]			
* Nose		Inflammation	Mild
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLs = 5-9A]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Hyperplasia	Mild
		Ulcer	Moderate
* Stomach, Glandular		Hemorrhage	Mild
[Hemorrhage TGLs = 6-12A]			
* Thymus		Atrophy	Moderate
* Uterus		Sarcoma Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 942

TRT#: 6

SEX: Female

DAY ON TEST: 563

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700942

ORGAN AND ACCOUNTABLE SITE STATUS

[Sarcoma Stromal TGLs = 2-7B]

PRIMARY CAUSE OF DEATH

- Uterus Sarcoma Stromal

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 951

TRT#: 6

SEX: Female

DAY ON TEST: 666

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700951

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Carcinoma	
[Carcinoma TGLs = 2-7B]			
* Liver		Basophilic Focus	Multiple
[Basophilic Focus TGLs = 4-3]		Leukemia Mononuclear	
* Lung		Granuloma	Moderate
[Granuloma TGLs = 6-4A]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
Note: TGL 1 also located on slide 10 with routine Lymph node, mandibular			
[Infiltration Cellular TGLs = 1-10+10A]			
* Lymph Node, Mesenteric		Degeneration	Cystic, Marked
[Degeneration TGLs = 5-17]			
Mesentery			
Note: TGL 5 - Noted grossly as Mesentery was Lymph node, mesenteric			
* Ovary		Atrophy	Moderate
* Pancreas	Acinar Cell	Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 951

TRT#: 6

SEX: Female

DAY ON TEST: 666

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500700951

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 3-9]

* Thymus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

- Clitoral Gland Carcinoma

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 952

TRT#: 6

SEX: Female

DAY ON TEST: 547

DOSE: 0.70 ACRYL

DISP: Natural Death

HISTO: 021500700952

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Intestine Large, Colon	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Thyroid Gland	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland	Duct	Ectasia	Moderate
		Inflammation	Moderate
	[Ectasia TGLs = 2-7B]		
	[Inflammation TGLs = 2-7B]		
* Heart	Atrium	Cardiomyopathy	Mild
		Thrombosis	
	[Thrombosis TGLs = 6-2]		
* Kidney		Leukemia Mononuclear	
		Mineralization	Mild
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-10A]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 3-2A]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 952

TRT#: 6

SEX: Female

DAY ON TEST: 547

DOSE: 0.70 ACRYL

DISP: Natural Death

HISTO: 021500700952

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
* Parathyroid Gland			
Note: RC attempted			
* Pituitary Gland	Pars Distalis	Adenoma	
* Skel Muscle			
Note: TGL 7 - NCL			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4-9]			
* Thymus		Atrophy	Moderate
* Uterus		Polyp Stromal	
[Polyp Stromal TGLs = 5-7A]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1011

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|--------------------------|------------------------------------|--------------------|----------------------|
| * Adrenal Cortex | | Angiectasis | Mild |
| * Clitoral Gland | Duct | Ectasia | Mild |
| | | Inflammation | Moderate |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | Multiple |
| | | Degeneration | Cystic, Mild |
| | | Eosinophilic Focus | |
| | | Granuloma | Mild |
| | | Necrosis | Coagulative, Minimal |
| | [Basophilic Focus TGLs = 3-3] | | |
| | [Degeneration TGLs = 4-3A] | | |
| | [Eosinophilic Focus TGLs = 4-3A] | | |
| * Lung | Note: TGL 5 - NCL | | |
| * Lymph Node, Mandibular | | Degeneration | Cystic, Minimal |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 1-2A] | | |
| * Ovary | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1011

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701011

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Angiectasis	Moderate
* Skin		Fibrosis	Moderate
[Fibrosis TGLs = 6-2B]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Thymus			
Note: WT attempted			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLs = 2-6]			

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1012

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701012

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 1-9A]

* Thymus

Atrophy

Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1021

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Clitoral Gland		Inflammation	Mild
* Eye		Cataract	
	Retina	Degeneration	Marked
	[Cataract TGLs = 5-13]		
	[Degeneration TGLs = 5-13]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
	Note: TGL 7 - NCL		
	[Basophilic Focus TGLs = 8-3]		
* Lung		Granuloma	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Granuloma TGLs = 4-4A]		
	[Infiltration Cellular TGLs = 4-4A]		
* Mammary Gland		Fibroadenoma	
		Lactation	Mild
	[Fibroadenoma TGLs = 1-2A]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 3-17]		
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1021

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701021

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 6-9A]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLs = 2-2B]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Carcinoma	

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1022

TRT#: 8

SEX: Female

DAY ON TEST: 726

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Carcinoma	
		Squamous Cell Papilloma	
	[Carcinoma TGLs = 1-7B]		
	[Squamous Cell Papilloma TGLs = 1-7B]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
Note: TGL 5 - NCL			
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
	[Basophilic Focus TGLs = 10-3]		
* Lung		Granuloma	Mild
		Inflammation	Mild
Note: TGL 8 - NCL			
	[Granuloma TGLs = 7-4A]		
Lymph Node			
Note: TGL 6 - NCL			
Note: TGL 6 - Noted grossly as Lymph node, mediastinal was Lymph node, pancreatic			
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1022

TRT#: 8

SEX: Female

DAY ON TEST: 726

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701022

ORGAN AND ACCOUNTABLE SITE STATUS

		Lactation	Mild
	[Fibroadenoma TGLs = 3,11-2B+2C]		
	[Hyperplasia TGLs = 2-2A]		
* Nose		Inflammation	Mild
* Ovary		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 9-9A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLs = 4-9]		
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Clitoral Gland Squamous Cell Papilloma		

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1031

TRT#: 8

SEX: Female

DAY ON TEST: 571

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Clitoral Gland |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Mammary Gland | * Nose |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|-------------------------------------|----------------------|----------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | Renal Tubule | Necrosis | Moderate |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 6-3] | | |
| * Lung | | Inflammation | Mild |
| | [Inflammation TGLs = 5-4A] | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Mild |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Ovary | | Atrophy | Moderate |
| | [Cyst TGLs = 1-7] | Cyst | |
| * Pancreas | Acinar Cell | Atrophy | Mild |
| * Spinal Cord, Cervical | Axon | Degeneration | Minimal |
| * Spleen | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 3-9] | | |
| * Thymus | | Atrophy | Moderate |
| * Uterus | Endometrial GI | Hyperplasia | Mild |

Note: TGL 7 - Noted grossly as Uterus, cervix was Vagina

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1031

TRT#: 8

SEX: Female

DAY ON TEST: 571

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701031

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 2-7A]			
Vagina	Mucocyte	Metaplasia	Moderate
[Metaplasia TGLs = 7-7B]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL 4 - NST (Cavity, thoracic, fluid)

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1032

TRT#: 8

SEX: Female

DAY ON TEST: 711

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|-----------------------------|---------------------------|-----------------------------|
| * Blood Vessel | * Bone Marrow | * Brain, Brain Stem | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|--|--|--|-------------|
| * Adrenal Cortex
Note: TGL 6 - NCL | | Hypertrophy | Focal, Mild |
| * Adrenal Medulla
Note: TGL 6 - NCL | | Leukemia Mononuclear | |
| * Bone, Femur | | Osteopetrosis | Moderate |
| * Clitoral Gland
[Adenoma TGLs = 2-7] | | Adenoma | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney
Note: TGL 7 - NCL | | Mineralization | Mild |
| * Liver
Left Lat Lobe
[Developmental Malformation TGLs = 10-3A]
[Leukemia Mononuclear TGLs = 8,9-3] | | Developmental Malformation
Leukemia Mononuclear | |
| * Lung
[Leukemia Mononuclear TGLs = 12,13-4+4A] | | Leukemia Mononuclear | |
| Lymph Node
Mediastinal
[Leukemia Mononuclear TGLs = 11-17] | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular
[Leukemia Mononuclear TGLs = 1-10+10A] | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1032

TRT#: 8

SEX: Female

DAY ON TEST: 711

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701032

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Marked
		Lactation	Minimal
	[Fibroadenoma TGLs = 3-2A]		
* Ovary		Atrophy	Mild
		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 14-9B]		
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4,5-9+9A]		
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1041

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Clitoral Gland	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Atrophy	Moderate
* Brain, Cerebellum		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 5-1A]		
* Brain, Cerebrum		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 9-1B]		
* Eye	Retina	Degeneration	Minimal
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 3-3]		
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 4-4]		
* Mammary Gland	Alveolus	Hyperplasia	Minimal
		Lactation	Moderate
Mesentery		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 1-17]		
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma	TGLs = 6-9A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1041

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701041

ORGAN AND ACCOUNTABLE SITE STATUS

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 8-5]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 2-9]

* Stomach, Forestomach

Leukemia Mononuclear
Squamous Cell Papilloma

[Squamous Cell Papilloma TGLs = 7-12A]

* Stomach, Glandular

Leukemia Mononuclear

* Thymus

Atrophy

Mild

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1042

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* 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
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Inflammation	Moderate
[Inflammation TGLs = 1-7]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Eosinophilic Focus	
[Eosinophilic Focus TGLs = 6-3A]		Granuloma	Mild
* Lung		Granuloma	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Granuloma TGLs = 5-4A]			
[Infiltration Cellular TGLs = 5-4A]			
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
[Fibroadenoma TGLs = 2,3-2A+2B]			
* Nose		Inflammation	Minimal
* Ovary		Atrophy	Mild
		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1042

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701042

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLs = 4-7B]

* Pituitary Gland

Pars Distalis

Adenoma

* Skin

Note: TGL 3 - Noted grossly as Skin was Mammary gland

* Spinal Cord, Lumbar

Nerve

Degeneration

Minimal

* Thymus

Atrophy

Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1051

TRT#: 8

SEX: Female

DAY ON TEST: 612

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | | |
|--------------------------|---|----------------------|--------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 4-3] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Renal | Leukemia Mononuclear | |
| | Note: TGL 3 - Noted grossly as Lymph node, pancreatic was Mesentery | | |
| | [Leukemia Mononuclear TGLs = 5-17A] | | |
| * Lymph Node, Mandibular | | Degeneration | Cystic, Mild |
| | | Leukemia Mononuclear | |
| | [Degeneration TGLs = 1-10A] | | |
| | [Leukemia Mononuclear TGLs = 1-10A] | | |
| * Mammary Gland | Alveolus | Hyperplasia | Moderate |
| | | Lactation | Moderate |
| Mesentery | | Accessory Spleen | |
| | | Leukemia Mononuclear | |
| | [Accessory Spleen TGLs = 3-17] | | |
| | [Leukemia Mononuclear TGLs = 3-17] | | |
| * Ovary | | Atrophy | Mild |
| * Pituitary Gland | | Angiectasis | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1051

TRT#: 8

SEX: Female

DAY ON TEST: 612

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701051

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 6 - NCL

Note: TGL 7 - NCL

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 2-9]

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1052

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* 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
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
		Hypertrophy	Focal, Mild
* Brain, Brain Stem	Hypothalamus	Compression	Mild
[Compression TGLs = 9-1]			
* Clitoral Gland	Duct	Ectasia	Moderate
		Inflammation	Mild
[Ectasia TGLs = 4-7]			
[Inflammation TGLs = 4-7]			
* Eye	Retina	Degeneration	Marked
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Granuloma	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 6,7-3A+3]			
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Moderate
		Lactation	Mild
[Fibroadenoma TGLs = 1,2,3-2A+2B+2C]			
* Ovary		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1052

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701052

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLs = 8-9A]	Pars Distalis	Adenoma	
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Spleen [Leukemia Mononuclear TGLs = 5-9]		Gliosis Leukemia Mononuclear	Focal, Minimal
* Thymus		Atrophy Cyst	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1111

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Spinal Cord, Lumbar	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Adenoma	
		Inflammation	Moderate
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Granuloma	Mild
* Lymph Node, Mesenteric		Degeneration	Cystic, Moderate
* Mammary Gland		Fibroadenoma	
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	Subcut Tiss	Fibroma	
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1111

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701111

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia
Inflammation

Cystic, Mild
Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1112

TRT#: 7

SEX: Female

DAY ON TEST: 694

DOSE: 0.35 ACRYL

DISP: Natural Death

HISTO: 021500701112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Islets, Pancreatic | * Kidney |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

- | | | | |
|--------------------------|--------------------------------------|-----------------------|---------------------|
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Brain, Brain Stem | Hypothalamus | Compression | Mild |
| | [Compression TGLs = 8-1A] | | |
| * Clitoral Gland | Duct | Adenoma | |
| | [Ectasia TGLs = 1-7] | Ectasia | Moderate |
| | [Inflammation TGLs = 1-7] | Inflammation | Mild |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 5-3A] | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Mammary Gland | | Adenocarcinoma | |
| | | Fibroadenoma | |
| | | Galactocele | |
| | Alveolus | Hyperplasia | Moderate |
| | | Lactation | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1112

TRT#: 7

SEX: Female

DAY ON TEST: 694

DOSE: 0.35 ACRYL

DISP: Natural Death

HISTO: 021500701112

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenocarcinoma TGLs = 2-2A]

[Fibroadenoma TGLs = 3-2B]

[Galactocele TGLs = 2-2A]

* Nose	Inflammation	Mild
Oral Mucosa	Hyperplasia	Mild
[Hyperplasia TGLs = 9-17]		
* Ovary	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma
[Adenoma TGLs = 7-9A]		
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4-9]		
* Thymus	Atrophy	Mild
* Thyroid GI		
Note: TGL 6 - NCL		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: TGL 9 - Noted grossly as Cavity, oral was Oral mucosa

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1121

TRT#: 7

SEX: Female

DAY ON TEST: 577

DOSE: 0.35 ACRYL

DISP: Natural Death

HISTO: 021500701121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Small, Ileum	* Nose	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Adrenal Medulla

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Pancreas

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adren Medulla			
Note: RC attempted			
* Clitoral Gland		Inflammation	Mild
[Inflammation TGLs = 1-7]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver	Left Lat Lobe	Developmental Malformation	
[Developmental Malformation TGLs = 3-3A]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Lactation	Minimal
* Ovary		Leukemia Mononuclear	
* Spinal Cord, Cervical		Hemorrhage	Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1121

TRT#: 7

SEX: Female

DAY ON TEST: 577

DOSE: 0.35 ACRYL

DISP: Natural Death

HISTO: 021500701121

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 2-9A]

* Thymus

Atrophy

Mild

* Uterus

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1122

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Focal, Mild
* Clitoral Gland	Duct	Ectasia	Marked
		Inflammation	Marked
Note: TGL 2 - NCL			
			[Ectasia TGLs = 1-7]
			[Inflammation TGLs = 1-7]
* Eye	Retina	Degeneration	Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
			[Basophilic Focus TGLs = 4-3]
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Moderate
		Lactation	Mild
			[Fibroadenoma TGLs = 3-2A]
* Nose		Inflammation	Mild
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
			[Adenoma TGLs = 5-9A]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1122

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701122

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Mild

* Thyroid Gland

C Cell

Adenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1131

TRT#: 7

SEX: Female

DAY ON TEST: 697

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Cerebellum
* Brain, Cerebrum	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Atrophy	Marked
* Brain, Brain Stem	Hypothalamus	Compression	Minimal
	[Compression TGLs = 8-1A]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
	Note: TGL 4 - NCL		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 10-3]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-4]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-17B]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Mild
	Note: Located on slide 2B		
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLs = 5-17A]		
* Ovary		Atrophy	Marked
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 9-9A]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1131

TRT#: 7

SEX: Female

DAY ON TEST: 697

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701131

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2,3-9]		
* Stomach, Forestomach		Hyperplasia	Moderate
	[Hyperplasia TGLs = 11-12A]		
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
Vagina		Inflammation	Mild
	[Inflammation TGLs = 1-17]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1132

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Lumbar | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---------------------------------|---------------|------------------|----------|
| * Adrenal Cortex | | Angiectasis | Minimal |
| * Clitoral Gland | | Hyperplasia | Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | Multiple |
| Note: TGL 2 - NCL | | | |
| Note: TGL 3 - NCL | | | |
| [Basophilic Focus TGLs = 4-3] | | | |
| * Lung | | Granuloma | Mild |
| [Granuloma TGLs = 5-4A] | | | |
| * Mammary Gland | Alveolus | Hyperplasia | Mild |
| * Ovary | | Atrophy | Mild |
| * Pancreas | Acinar Cell | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLs = 1-9A] | | | |
| * Spinal Cord, Cervical | Axon | Degeneration | Minimal |
| * Spinal Cord, Thoracic | Axon | Degeneration | Minimal |
| * Thymus | | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1141

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|-------------------------|--|------------------------|----------|
| * Adrenal Cortex | | Angiectasis | Mild |
| * Clitoral Gland | | Adenoma | |
| | | Inflammation | Moderate |
| | [Inflammation TGLs = 1-7] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Mild |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | | Hepatocellular Adenoma | |
| | [Hepatocellular Adenoma TGLs = 6-3A] | | |
| * Lung | | | |
| | Note: TGL 7 - NCL | | |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 2,3,4-2A+2B+2C] | | |
| * Ovary | | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Spinal Cord, Cervical | Axon | Degeneration | Minimal |
| * Spinal Cord, Lumbar | Axon | Degeneration | Minimal |
| | Nerve | Degeneration | Minimal |
| * Spinal Cord, Thoracic | Axon | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1141

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701141

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

* Thymus

Atrophy

Mild

* Uterus

Note: TGL 5 - NCL

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1142

TRT#: 7

SEX: Female

DAY ON TEST: 484

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Granuloma	Mild
* Lung		Foreign Body	
		Inflammation	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLs = 1-17]		
* Nose		Foreign Body	Mild
		Inflammation	Moderate
* Ovary		Atrophy	Moderate
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Nose Inflammation
 CONTRIBUTORY CAUSE OF DEATH - Lung Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1151

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland
Ear	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Spinal Cord, Lumbar	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
Ear			
Note: TGL 8 - Noted grossly as Ear was Skin			
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
[Basophilic Focus TGLs = 11-3]			
[Eosinophilic Focus TGLs = 5,10-3A+3B]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLs = 12-4A]			
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
[Fibroadenoma TGLs = 1,2-2A+2B]			
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 9-9A]			
* Skin	Ear	Neural Crest Tumor, Malignant	
[Neural Crest Tumor, Malignant TGLs = 8-17A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1151

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701151

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-9]		
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Note: TGL 6 - NCL		
	[Hyperplasia TGLs = 4-7B]		
Vagina	Mucocyte	Metaplasia	Marked
	[Metaplasia TGLs = 3-17]		

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1152

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* 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
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Inflammation	Mild
	[Inflammation TGLs = 2-7]		
* Eye	Retina	Degeneration	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
		Granuloma	Mild
	Note: TGL 5 - NCL		
	[Basophilic Focus TGLs = 6-3A]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 4-4A]		
* Mammary Gland		Adenocarcinoma	
		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
	[Adenocarcinoma TGLs = 1-2A]		
	[Fibroadenoma TGLs = 1-2A]		
* Ovary		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1152

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701152

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Thymus		Atrophy	Mild
* Uterus		Polyp Stromal	

[Polyp Stromal TGLs = 3-7B]

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1261

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver	Left Lat Lobe	Basophilic Focus	Multiple
		Developmental Malformation	
		Granuloma	Minimal
	[Basophilic Focus TGLs = 1-3]		
	[Developmental Malformation TGLs = 3-3A]		
* Lung		Granuloma	Mild
	[Granuloma TGLs = 2-4A]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicle	Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1262

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Brain, Cerebrum | * 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, Mandibular | * Lymph Node, Mesenteric | * Nose | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---------------------|--|----------------------------|---------------------|
| * Adrenal Cortex | | Angiectasis | Mild |
| * Brain, Brain Stem | Hypothalamus | Compression | Mild |
| | [Compression TGLs = 4-1A] | | |
| * Clitoral Gland | | Adenoma | |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Mild |
| | | Nephropathy | Moderate |
| * Liver | Left Lat Lobe | Developmental Malformation | |
| | Bile Duct | Granuloma | Mild |
| | [Developmental Malformation TGLs = 2-3A] | Hyperplasia | Mild |
| | [Granuloma TGLs = 5-3B] | | |
| | [Hyperplasia TGLs = 5-3B] | | |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 1-2A] | Galactocele | |
| * Ovary | | Atrophy | Mild |
| * Pancreas | Acinar Cell | Atrophy | Mild |
| * Parathyroid Gland | | Adenoma | |
| | [Adenoma TGLs = 6-6] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1262

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701262

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLs = 3-9]	Pars Distalis	Adenoma	
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen	Red Pulp	Atrophy	Mild
* Thymus		Atrophy	Mild
* Thyroid GI Note: TGL 6 - Noted grossly as Thyroid gland was Parathyroid gland			
* Uterus	Horn	Dilatation	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1271

TRT#: 9

SEX: Female

DAY ON TEST: 726

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* 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	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland	Bilateral	Carcinoma	
	[Carcinoma TGLs = 2,3-7+7B]		
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Diverticulum	
	[Diverticulum TGLs = 10-11A]		
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver	Left Lat Lobe	Developmental Malformation	
	Bile Duct	Hyperplasia	Moderate
	[Developmental Malformation TGLs = 8-3A]	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-3]		
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	[Degeneration TGLs = 7-17]		
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Moderate
		Lactation	Moderate
	[Fibroadenoma TGLs = 1-2A]		
* Ovary		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1271

TRT#: 9

SEX: Female

DAY ON TEST: 726

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701271

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 9-9A]			
* Skin			
Note: TGL 4 - NCL			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 5-9]			
* Thymus		Atrophy	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Clitoral Gland Bilateral Carcinoma

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1272

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* 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
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Inflammation	Moderate
* Eye	Retina	Degeneration	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Capsule	Basophilic Focus	Multiple
		Fibrosis	Mild
		Granuloma	Mild
[Basophilic Focus TGLs = 4-3]			
[Fibrosis TGLs = 6-3A]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Note: TGL 5 also located on slide 4 with routine Lung section			
[Infiltration Cellular TGLs = 5-4A+4]			
* Mammary Gland	Alveolus	Fibroadenoma	
		Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLs = 1,2-2A+2B]			
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1272

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701272

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 3-9]

* Spinal Cord, Thoracic

Axon

Degeneration

Minimal

* Thymus

Atrophy

Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1281

TRT#: 9

SEX: Female

DAY ON TEST: 719

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Eye | * 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 | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--|-----------------------------|----------------------------|---------------------|
| * Adrenal Cortex | | Hypertrophy | Focal, Moderate |
| * Adrenal Medulla | | Hypertrophy | Focal, Mild |
| * Brain, Brain Stem | Hypothalamus | Compression | Mild |
| [Compression TGLs = 6-1A] | | | |
| * Clitoral Gland | | Carcinoma | |
| [Carcinoma TGLs = 1-7+7B] | | | |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | Multiple |
| | Right Lat Lobe | Developmental Malformation | |
| | | Granuloma | Mild |
| Note: TGL 4 - NCL | | | |
| [Basophilic Focus TGLs = 8-3] | | | |
| [Developmental Malformation TGLs = 9-3B] | | | |
| * Lung | | Inflammation | Mild |
| Lymph Node | Mediastinal, Medulla, Sinus | Dilatation | Moderate |
| [Dilatation TGLs = 5-17] | | | |
| * Mammary Gland | | Fibroadenoma | |
| | | Galactocele | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1281

TRT#: 9

SEX: Female

DAY ON TEST: 719

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701281

ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolus	Hyperplasia	Marked
Note: Fibroadenoma also located on slide 7B adjacent to Clitoral gland Carcinoma			
[Fibroadenoma TGLs = 10-2A]			
[Galactocele TGLs = 10-2A]			
* Ovary		Atrophy	Minimal
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 7-9A]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Uterus	Bilateral, Horn	Dilatation	Marked
[Dilatation TGLs = 2-7A]			
[Sarcoma Stromal TGLs = 3-7C]			

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1282

TRT#: 9

SEX: Female

DAY ON TEST: 599

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* 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	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Eye		Cataract	
	Retina	Degeneration	Marked
	[Cataract TGLs = 5-13]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Granuloma	Mild
	[Basophilic Focus TGLs = 4-3]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLs = 2,3-17+17A]		
* Ovary		Cyst	
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
	[Hyperplasia TGLs = 6-9A]		
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1282

TRT#: 9

SEX: Female

DAY ON TEST: 599

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701282

ORGAN AND ACCOUNTABLE SITE STATUS

Polyp Stromal

[Polyp Stromal TGLs = 1-7A]

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1291

TRT#: 9

SEX: Female

DAY ON TEST: 676

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Carcinoma	
	[Carcinoma TGLs = 1-7]		
* Heart		Cardiomyopathy	Minimal
* Liver	Left Lat Lobe	Developmental Malformation	
		Granuloma	Moderate
	[Developmental Malformation TGLs = 3-3A]		
	[Granuloma TGLs = 5-3]		
* Lymph Node, Mesenteric		Infiltration Cellular	Mast Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Nose		Inflammation	Mild
* Pituitary Gland	Pars Intermed	Cyst	
	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
	[Hematopoietic Cell Proliferation TGLs = 2-9]		
* Thymus		Infiltration Cellular	Polymorphnuclr, Marked
	[Infiltration Cellular TGLs = 4-10]		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1292

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Focal, Mild
* Clitoral Gland	Duct	Ectasia	Mild
		Inflammation	Mild
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
		Granuloma	Mild
	[Basophilic Focus TGLs = 5-3]		
	[Eosinophilic Focus TGLs = 3,4,7,8,9-3A+3B+3C+3D+3E]		
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
	[Fibroadenoma TGLs = 10-2A]		
Mesentery	Fat	Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1292

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701292

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLs = 2-17]			
Oral Mucosa		Squamous Cell Papilloma	
Note: Located on slide 14			
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 6-9A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1301

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* 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
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Clitoral Gland	Duct	Ectasia	Moderate
* Eye	Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	Multiple
	Left Lat Lobe	Developmental Malformation	
		Hepatodiaphragmatic Nodule	
	[Basophilic Focus TGLs = 5-3B]		
	[Developmental Malformation TGLs = 3-3A]		
	[Hepatodiaphragmatic Nodule TGLs = 2-3]		
* Lung		Granuloma	Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4-9]		
* Skeletal Muscle	Subcut Tiss	Schwannoma Malignant	
	[Schwannoma Malignant TGLs = 1-17]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1301

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701301

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear	
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1302

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum	* 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, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain, Brain Stem [Compression TGLs = 4-1]	Hypothalamus	Compression	Moderate
* Clitoral Gland [Ectasia TGLs = 1-7]	Duct	Ectasia Inflammation	Moderate Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney [Nephropathy TGLs = 5-8]		Nephropathy	Marked
* Liver [Eosinophilic Focus TGLs = 7,8-3A+3B] [Vacuolization Cytoplasmic TGLs = 6-3]		Basophilic Focus Eosinophilic Focus Vacuolization Cytoplasmic	Multiple Multiple Mild
* Mammary Gland	Alveolus	Hyperplasia Lactation	Mild Moderate
* Ovary [Cyst TGLs = 2-7]		Atrophy Cyst	Moderate
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1302

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701302

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 3-9]

* Spinal Cord, Cervical

Axon

Degeneration

Minimal

* Spinal Cord, Lumbar

Nerve

Degeneration

Minimal

* Spinal Cord, Thoracic

Axon

Degeneration

Minimal

* Thymus

Atrophy

Mild

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

[Hyperplasia TGLs = 9-7A]

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1361

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Brain, Cerebellum |
| * Esophagus | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|---------------------|---|-------------------------|---------------------|
| * Adrenal Cortex | | Angiectasis | Mild |
| * Bone, Femur | | Osteopetrosis | Moderate |
| * Brain, Brain Stem | Hypothalamus | Compression | Moderate |
| | [Compression TGLs = 7-1A] | | |
| * Brain, Cerebrum | Ventricle | Dilatation | Mild |
| | Meninges | Granular Cell Tumor Nos | |
| * Clitoral Gland | | Carcinoma | |
| | [Carcinoma TGLs = 2-7] | | |
| * Eye | Retina | Degeneration | Moderate |
| * Heart | | Schwannoma Malignant | |
| | [Schwannoma Malignant TGLs = 6-2C] | | |
| * Kidney | | Mineralization | Mild |
| | | Nephropathy | Mild |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 9,10-3A+3] | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | [Infiltration Cellular TGLs = 5-4A] | | |
| * Mammary Gland | | Fibroadenoma | |
| | Alveolus | Hyperplasia | Marked |
| | | Lactation | Marked |
| | [Fibroadenoma TGLs = 1,3-2A+2B] | | |
| * Nose | | Osteopetrosis | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1361

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701361

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Moderate
* Pancreas	Acinar Cell	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 8-9A]		
* Spinal Cord, Thoracic		Gliosis	Focal, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-9]		
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma
CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1362

TRT#: 6

SEX: Female

DAY ON TEST: 618

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland	Duct	Ectasia	Moderate
[Ectasia TGLs = 1-7]			
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 5-3]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland	Alveolus	Hyperplasia	Moderate
		Lactation	Moderate
* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 6-9]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1362

TRT#: 6

SEX: Female

DAY ON TEST: 618

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701362

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-9]		
* Thymus			
	Note: No RC per pathologist; not found at trim		
* Uterus	Cervix, Mucocyte	Metaplasia	Moderate
	[Metaplasia TGLs = 3-7B]		
Vagina	Mucocyte	Metaplasia	Marked
	[Metaplasia TGLs = 4-17]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1371

TRT#: 6

SEX: Female

DAY ON TEST: 599

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---|--|----------------------------------|-----------------|
| * Adrenal Cortex
[Hypertrophy TGLs = 4-9] | | Hypertrophy | Focal, Moderate |
| * Bone Marrow | | Atrophy | Mild |
| * Clitoral Gland | | Inflammation | Minimal |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver
[Histiocytic Sarcoma TGLs = 5,6,7,8,9,10-3+3A+3B+3C+3D+3E] | | Histiocytic Sarcoma | |
| * Lung
[Histiocytic Sarcoma TGLs = 12-4] | | Histiocytic Sarcoma | |
| * Mammary Gland
Alveolus | | Hyperplasia | Minimal |
| | | Lactation | Minimal |
| * Ovary
[Histiocytic Sarcoma TGLs = 1-7] | | Histiocytic Sarcoma | |
| * Pituitary Gland
Pars Distalis | | Cyst | |
| * Spinal Cord, Cervical
Axon | | Degeneration | Minimal |
| * Spinal Cord, Lumbar | | Gliosis | Focal, Mild |
| * Spinal Cord, Thoracic
Axon | | Degeneration | Minimal |
| * Spleen
[Hematopoietic Cell Proliferation TGLs = 3-9A] | | Hematopoietic Cell Proliferation | Marked |
| * Thymus | | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1371

TRT#: 6

SEX: Female

DAY ON TEST: 599

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701371

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLs = 2-7A]			
Zymbal's Gland		Hyperplasia	Moderate
[Hyperplasia TGLs = 11-17]			

PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1372

TRT#: 6

SEX: Female

DAY ON TEST: 474

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* 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	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Clitoral Gland		Inflammation	Minimal
* Eye		Cataract	
	Retina	Degeneration	Moderate
	[Cataract TGLs = 4-13A]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Infiltration Cellular	Lymphocyte, Minimal
		Tension Lipidosis	
	Note: TGL 2 - NCL		
	[Tension Lipidosis TGLs = 3-3B]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1,5-2A+2B]		
* Ovary		Atrophy	Mild
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1381

TRT#: 6

SEX: Female

DAY ON TEST: 719

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skeletal Muscle	* Spinal Cord, Cervical	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Clitoral Gland		Carcinoma	
[Carcinoma TGLs = 2-7B]			
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Mild
Note: TGL 6 - NCL			
[Basophilic Focus TGLs = 9-3B]			
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Pigmentation	Moderate
[Hemorrhage TGLs = 7-17A]			
[Pigmentation TGLs = 7-17A]			
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Minimal
Note: TGL 13 - Noted grossly as Mammary gland was Skin			
[Fibroadenoma TGLs = 1,12-2A+2B]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLs = 5,11-17+17B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1381

TRT#: 6

SEX: Female

DAY ON TEST: 719

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701381

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy Cyst	Moderate
[Cyst TGLs = 10-7]			
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 8-9B]			
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLs = 13-2C]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation Infarct	Marked
Note: TGL 4 - NCL			
[Infarct TGLs = 3-9]			
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1382

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701382

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Brain, Cerebrum | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---------------------|--|--------------------|-----------------|
| * Adrenal Cortex | | Hypertrophy | Focal, Moderate |
| * Brain, Brain Stem | Hypothalamus | Compression | Mild |
| | [Compression TGLs = 5-1A] | | |
| * Clitoral Gland | | Adenoma | |
| | Note: TGL 1 - Noted grossly as bilateral appeared to be unilateral | | |
| | [Adenoma TGLs = 1-7] | | |
| * Esophagus | | Inflammation | Marked |
| | [Inflammation TGLs = 9-6A] | | |
| * Eye | Retina | Degeneration | Mild |
| * Heart | | Cardiomyopathy | Moderate |
| | | Inflammation | Moderate |
| | [Inflammation TGLs = 11-2] | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Apoptosis | |
| | | Basophilic Focus | Multiple |
| | | Eosinophilic Focus | Multiple |
| | | Inflammation | Mild |
| | Note: TGL 13 - NCL | | |
| | [Basophilic Focus TGLs = 7-3] | | |
| | [Eosinophilic Focus TGLs = 12,14-3A+3C] | | |
| * Lung | | Inflammation | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1382

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701382

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLs = 8-4+4A]			
* Mammary Gland		Fibroadenoma	
		Galactocele	
	Alveolus	Hyperplasia	Marked
		Inflammation	Moderate
		Lactation	Mild
[Fibroadenoma TGLs = 2-2A]			
[Galactocele TGLs = 2-2A]			
[Inflammation TGLs = 3-2B]			
* Ovary		Atrophy	Mild
* Pancreas		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 6-9A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Inflammation	Moderate
		Ulcer	Moderate
[Inflammation TGLs = 10-12A]			
[Ulcer TGLs = 10-12A]			
* Thymus		Atrophy	Moderate
Vagina		Dilatation	
[Dilatation TGLs = 4-17]			

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1391

TRT#: 6

SEX: Female

DAY ON TEST: 416

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|-----------------------------|---|----------------------------------|---------------------|
| * Bone Marrow | | Hyperplasia | Mild |
| * Clitoral Gland | | Carcinoma | |
| | [Carcinoma TGLs = 1-7A] | | |
| * Kidney | | Mineralization | Minimal |
| * Liver | | Infiltration Cellular | Lymphocyte, Minimal |
| * Ovary | | Atrophy | Mild |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| | [Hematopoietic Cell Proliferation TGLs = 2-9] | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1392

TRT#: 6

SEX: Female

DAY ON TEST: 379

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * 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, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Pituitary Gland | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|-------------------|-------------------------|-----------------------|------------------|
| * Clitoral Gland | Duct | Ectasia | Mild |
| | | Inflammation | Mild |
| | [Ectasia TGLs = 1-7A] | | |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| * Liver | | Granuloma | Mild |
| * Ovary | | Atrophy | Mild |
| * Thyroid Gland | C Cell | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH - UNCERTAIN

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1401

TRT#: 6

SEX: Female

DAY ON TEST: 712

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701401

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Clitoral Gland	Duct	Ectasia	Moderate
		Squamous Cell Papilloma	
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	Hepatocyte	Granuloma	Mild
		Hyperplasia	Mild
	[Granuloma TGLs = 7-3B]		
	[Hyperplasia TGLs = 5,8,9,10-3A+3C+3D+3E]		
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
	[Fibroadenoma TGLs = 1,2,3-2A+2B+2C]		
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Atrophy	Minimal
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 6-9A]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1401

TRT#: 6

SEX: Female

DAY ON TEST: 712

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701401

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLs = 4-7A]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1402

TRT#: 6

SEX: Female

DAY ON TEST: 548

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701402

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Blood Vessel | * Bone Marrow | * Brain, Brain Stem | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|--------------------------|---|-------------------------|---------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone, Femur | | Osteopetrosis | Mild |
| * Clitoral Gland | | Inflammation | Mild |
| | [Inflammation TGLs = 1-7] | | |
| * Kidney | | Mineralization | Mild |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 5-3] | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Mammary Gland | | Lactation | Mild |
| Mesentery | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 3-17] | | |
| * Ovary | | Atrophy | Mild |
| * Pancreas | Acinar Cell | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Cyst | |
| * Skin | Tail | Squamous Cell Papilloma | |
| | [Squamous Cell Papilloma TGLs = 4-2A] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1402

TRT#: 6

SEX: Female

DAY ON TEST: 548

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701402

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 2-9]

* Thymus

Note: RC/WT attempted

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1461

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500701461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Spinal Cord, Cervical	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Bone, Femur		Osteopetrosis	Moderate
* Clitoral Gland	Duct	Ectasia	Mild
		Inflammation	Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum	Lymphoid Tiss	Hyperplasia	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Moderate
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Granuloma	Mild
	[Granuloma TGLs = 4-3A]		
* Lung			
	Note: TGL 5 - NCL		
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Moderate
	[Degeneration TGLs = 1-10A]		
	[Infiltration Cellular TGLs = 1-10A]		
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Nose		Osteopetrosis	Moderate
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2-9A]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1461

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500701461

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	Tail	Hyperkeratosis	Marked
[Hyperkeratosis TGLs = 3-2A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Inflammation	Mild
		Thrombosis	
[Thrombosis TGLs = 6-7A]			

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1462

TRT#: 10

SEX: Female

DAY ON TEST: 656

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500701462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone, Femur		Fibrous Osteodystrophy	Mild
* Bone Marrow		Atrophy	Mild
* Clitoral Gland		Adenoma	
	Duct	Ectasia	Moderate
		Inflammation	Mild
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Kidney		Nephropathy	Minimal
* Liver	Left Lat Lobe	Developmental Malformation	
		Leukemia Mononuclear	
	[Developmental Malformation TGLs = 7-3A]		
	[Leukemia Mononuclear TGLs = 6-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-17]		
	[Leukemia Mononuclear TGLs = 5-17A]		
	[Leukemia Mononuclear TGLs = 8-17B]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1462

TRT#: 10

SEX: Female

DAY ON TEST: 656

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500701462

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 10-11]

* Mammary Gland

Alveolus

Fibroadenoma

Hyperplasia

Mild

Lactation

Mild

[Fibroadenoma TGLs = 2-2A]

* Ovary

Atrophy

Moderate

* Pancreas

Acinar Cell

Atrophy

Mild

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLs = 11-9B]

* Spinal Cord, Cervical

Axon

Degeneration

Minimal

* Spinal Cord, Thoracic

Axon

Degeneration

Minimal

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 3,9-9+9A]

* Thymus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1471

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500701471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Adenoma	
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
	Bile Duct	Granuloma	Minimal
		Hyperplasia	Minimal
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
[Basophilic Focus TGLs = 2-3]			
* Lung		Granuloma	Mild
[Granuloma TGLs = 3-4A]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
[Degeneration TGLs = 1-10A]			
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 4-9A]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1471

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500701471

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1472

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500701472

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland	Duct	Ectasia	Moderate
		Inflammation	Marked
	[Ectasia TGLs = 1-7B]		
	[Inflammation TGLs = 1-7B]		
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Granuloma	Mild
		Vacuolization Cytoplasmic	Minimal
	[Basophilic Focus TGLs = 5-3A]		
* Lung		Granuloma	Minimal
	[Granuloma TGLs = 3-4A]		
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Ovary		Cyst	
	[Cyst TGLs = 2-7]		
* Pancreas	Acinar Cell	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4-9A]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1472

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500701472

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1481

TRT#: 10

SEX: Female

DAY ON TEST: 680

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500701481

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Brain, Brain Stem	Hypothalamus	Compression	Mild
[Compression TGLs = 4-1A]			
* Clitoral Gland		Inflammation	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Right Lat Lobe	Developmental Malformation	
	Left Lat Lobe	Developmental Malformation	
		Eosinophilic Focus	Multiple
[Developmental Malformation TGLs = 1-3A]			
[Developmental Malformation TGLs = 3-3B]			
[Eosinophilic Focus TGLs = 2-3]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland	Alveolus	Hyperplasia	Moderate
		Lactation	Mild
* Ovary		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1481

TRT#: 10

SEX: Female

DAY ON TEST: 680

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500701481

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid GI

Note: RC attempted

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLs = 5-9A]

* Spleen

Pigmentation

Moderate

* Thymus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1482

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500701482

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Granuloma	Moderate
	[Basophilic Focus TGLs = 4-3A]		
* Mammary Gland		Fibroadenoma	
		Galactocele	
	Alveolus	Hyperplasia	Mild
	[Fibroadenoma TGLs = 1,2-2A+2B]		
	[Galactocele TGLs = 1-2A]		
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5-9A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1482

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500701482

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLs = 3-7A]

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1491

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500701491

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Bone, Femur		Osteopetrosis	Moderate
	[Osteopetrosis TGLs = 4-15]		
* Clitoral Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	[Basophilic Focus TGLs = 1-3]		
* Lung			
	Note: TGL 2 - NCL		
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
* Mammary Gland		Lactation	Minimal
* Nose		Osteopetrosis	Mild
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-9]		
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1492

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500701492

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* 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	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Adenoma	
		Inflammation	Mild
	[Inflammation TGLs = 1-7]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Granuloma	Minimal
	[Basophilic Focus TGLs = 3-3]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Mammary Gland		Fibroadenoma	
		Alveolus	
	[Fibroadenoma TGLs = 2,5-2A+2B]	Hyperplasia	Mild
* Pituitary Gland		Pars Distalis	
	[Adenoma TGLs = 4-9A]	Adenoma	
* Spinal Cord, Lumbar		Nerve	Degeneration
* Spinal Cord, Thoracic		Axon	Degeneration
* Thymus			Atrophy
* Thyroid Gland		C Cell	Hyperplasia
* Urinary Bladder			Infiltration Cellular

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1561

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701561

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Brain, Brain Stem	Hypothalamus	Compression	Mild
	[Compression TGLs = 12-1]		
* Clitoral Gland		Adenoma	
	[Adenoma TGLs = 2-7]	Inflammation	Mild
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Multiple
	[Basophilic Focus TGLs = 7,8,9,10,11-3A+3B+3C+3D+3E]	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-3]	Regeneration	Marked
	[Regeneration TGLs = 7,8,9,10,11-3A+3B+3C+3D+3E]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-17]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Galactocele	
	Alveolus	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1561

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701561

ORGAN AND ACCOUNTABLE SITE STATUS

		Lactation	Mild
	[Fibroadenoma TGLs = 1-2A]		
	[Galactocele TGLs = 1,14,15-2A+2B+2C]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 5-17A]		
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 13-9]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-9]		
* Thymus		Atrophy	Mild
* Uterus	Endometrial Gl	Hyperplasia	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1562

TRT#: 9

SEX: Female

DAY ON TEST: 668

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701562

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Clitoral Gland |
| * Esophagus | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Nose |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--------------------------|--|----------------------------|-------------|
| * Adrenal Cortex | | Hypertrophy | Focal, Mild |
| * Eye | Retina | Degeneration | Mild |
| * Liver | Left Lat Lobe | Developmental Malformation | |
| | | Leukemia Mononuclear | |
| | [Developmental Malformation TGLs = 7-3A] | | |
| | [Leukemia Mononuclear TGLs = 8-3] | | |
| * Lung | | Leukemia Mononuclear | |
| Note: TGL 14 - NCL | | | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | Lumbar | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Deep Cervical | Leukemia Mononuclear | |
| | Axillary | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 3-17A] | | |
| | [Leukemia Mononuclear TGLs = 5-17B] | | |
| | [Leukemia Mononuclear TGLs = 6-17C] | | |
| | [Leukemia Mononuclear TGLs = 9-17D] | | |
| | [Leukemia Mononuclear TGLs = 10-17E] | | |
| | [Leukemia Mononuclear TGLs = 11-17F] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1562

TRT#: 9

SEX: Female

DAY ON TEST: 668

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701562

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 1-10+10A]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 13-11]			
* Mammary Gland	Alveolus	Hyperplasia	Moderate
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLs = 2-17]			
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLs = 12-9]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4-9]			
* Stomach, Forestomach		Edema	Marked
		Ulcer	Mild
* Thymus		Atrophy	Moderate
* Uterus	Endometrial GI	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1571

TRT#: 9

SEX: Female

DAY ON TEST: 638

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701571

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---|---------------|----------------------------------|----------|
| * Adrenal Cortex | | Angiectasis | Mild |
| * Clitoral Gland | Duct | Ectasia | Moderate |
| * Eye | Retina | Degeneration | Mild |
| * Harderian Gland | | Inflammation | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Int Sm Duoden | | | |
| Note: Located on slide 12A | | | |
| * Liver | | Basophilic Focus | Multiple |
| [Basophilic Focus TGLs = 5-3A] | | | |
| * Mammary Gland | | Fibroadenoma | |
| | Alveolus | Hyperplasia | Mild |
| | | Lactation | Mild |
| [Fibroadenoma TGLs = 1,2-2A+2B] | | | |
| * Ovary | | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLs = 6-9A] | | | |
| * Spinal Cord, Cervical | Axon | Degeneration | Minimal |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| [Hematopoietic Cell Proliferation TGLs = 4-9] | | | |
| * Thymus | | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1571

TRT#: 9

SEX: Female

DAY ON TEST: 638

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701571

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Polyp Stromal

[Polyp Stromal TGLs = 3-7A]

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1572

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701572

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Spinal Cord, Cervical	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Inflammation	Mild
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Axillary	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-17]		
	[Leukemia Mononuclear TGLs = 6-17A]		
	[Leukemia Mononuclear TGLs = 8-17B]		
	[Leukemia Mononuclear TGLs = 9-17C]		
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Ovary		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1572

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701572

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Hyperplasia TGLs = 10-9]	Pars Distalis	Hyperplasia	Moderate
* Skin [Necrosis TGLs = 1-2A]	Epidermis	Necrosis	Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen [Leukemia Mononuclear TGLs = 3-9]		Leukemia Mononuclear	
* Thymus		Atrophy Leukemia Mononuclear	Mild
* Uterus [Hyperplasia TGLs = 5-7A]	Endometrium	Hyperplasia Polyp Stromal	Cystic, Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1581

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701581

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* 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, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spleen	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Brain, Brain Stem	Hypothalamus	Compression	Mild
[Compression TGLs = 3-1]			
* Clitoral Gland	Duct	Ectasia	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Multiple
		Granuloma	Mild
[Basophilic Focus TGLs = 2-3A]			
* Mammary Gland	Alveolus	Galactocele	
		Hyperplasia	Mild
		Lactation	Mild
[Galactocele TGLs = 1-2A]			
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 4-9A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Stomach, Forestomach		Hyperplasia	Mild
[Hyperplasia TGLs = 5-12A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1581

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701581

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1582

TRT#: 9

SEX: Female

DAY ON TEST: 513

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701582

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Kidney		Mineralization	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-3]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-9]		
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-9A]		
* Thymus		Atrophy	Moderate
Vagina	Mucocyte	Metaplasia	Marked
	[Metaplasia TGLs = 4-17]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1591

TRT#: 9

SEX: Female

DAY ON TEST: 578

DOSE: 0.0875 ACRYL

DISP: Natural Death

HISTO: 021500701591

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Mammary Gland | * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |

MISSING

- * Lymph Node, Mesenteric

OBSERVATIONS

- | | | | |
|--------------------------|--|----------------------------|----------------------|
| * Adrenal Cortex | | Atrophy | Marked |
| * Adrenal Medulla | Bilateral | Pheochromocytoma Malignant | |
| | [Pheochromocytoma Malignant TGLs = 3-9] | | |
| * Clitoral Gland | | Inflammation | Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Marked |
| | [Nephropathy TGLs = 10-8] | | |
| * Liver | Centrilobular | Necrosis | Moderate |
| | [Necrosis TGLs = 4-3] | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Moderate |
| | Note: Centrilobular necrosis in Liver with this Lung lesion indicates Heart failure. | | |
| * Lym Node Mesen | | | |
| | Note: No RC per pathologist | | |
| Lymph Node | | | |
| | Note: TLG 9 - Noted grossly as Lymph node, mesentric was Pancreas | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| | [Infiltration Cellular TGLs = 1-10+10A] | | |
| Mesentery | Fat | Necrosis | Moderate |
| | [Necrosis TGLs = 7-17] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1591

TRT#: 9

SEX: Female

DAY ON TEST: 578

DOSE: 0.0875 ACRYL

DISP: Natural Death

HISTO: 021500701591

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
* Pancreas		Polyarteritis	Marked
	[Polyarteritis TGLs = 9-11]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 8-9A]		
* Spleen		Leukemia Mononuclear	
* Thymus		Atrophy	Moderate
	Note: TGL 6 - NCL		
* Uterus			
	Note: TGL 2 - NCL		

PRIMARY CAUSE OF DEATH - Liver Centrilobular Necrosis
CONTRIBUTORY CAUSE OF DEATH - Adrenal Medulla Bilateral Pheochromocytoma Malignant
- Kidney Nephropathy

Animal Note: TGL 5 - NST (Cavity, thoracic, fluid)

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1592

TRT#: 9

SEX: Female

DAY ON TEST: 724

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701592

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|-----------------------------|----------------------------|
| * Blood Vessel | * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Harderian Gland | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Uterus | | |

OBSERVATIONS

- | | | | |
|--------------------------|---|----------------------------|-------------|
| * Adrenal Cortex | | Angiectasis | Moderate |
| | | Hypertrophy | Focal, Mild |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| | | Pheochromocytoma Malignant | |
| * Bone Marrow | | Atrophy | Mild |
| * Clitoral Gland | | Inflammation | Moderate |
| | [Inflammation TGLs = 1-7] | | |
| * Eye | Retina | Degeneration | Mild |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 12-2] | | |
| * Intestine Large, Cecum | | Leukemia Mononuclear | |
| * Islets, Pancreatic | | Leukemia Mononuclear | |
| * Kidney | | Mineralization | Mild |
| | | Nephropathy | Minimal |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 14-3] | | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 15,16-4A+4B] | | |
| Lymph Node | Inguinal | Leukemia Mononuclear | |
| | Axillary | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1592

TRT#: 9

SEX: Female

DAY ON TEST: 724

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701592

ORGAN AND ACCOUNTABLE SITE STATUS

	Renal		Leukemia Mononuclear	
	Lumbar		Leukemia Mononuclear	
	Mediastinal		Leukemia Mononuclear	
	Cervical		Leukemia Mononuclear	
	[Leukemia Mononuclear	TGLs = 2-17]		
	[Leukemia Mononuclear	TGLs = 4-17A]		
	[Leukemia Mononuclear	TGLs = 5-17B]		
	[Leukemia Mononuclear	TGLs = 7-17C]		
	[Leukemia Mononuclear	TGLs = 8-17D]		
	[Leukemia Mononuclear	TGLs = 10-17F]		
	[Leukemia Mononuclear	TGLs = 9-17E]		
* Lymph Node, Mandibular			Leukemia Mononuclear	
	[Leukemia Mononuclear	TGLs = 3-10+10A]		
* Lymph Node, Mesenteric			Leukemia Mononuclear	
	[Leukemia Mononuclear	TGLs = 13-11]		
* Mammary Gland	Alveolus		Hyperplasia	Mild
			Lactation	Mild
* Ovary			Leukemia Mononuclear	
* Pancreas			Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis		Adenoma	
	[Adenoma	TGLs = 17-9A]		
* Spleen			Leukemia Mononuclear	
	[Leukemia Mononuclear	TGLs = 6-9]		
* Thymus			Leukemia Mononuclear	
	[Leukemia Mononuclear	TGLs = 11-10]		
* Urinary Bladder			Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1601

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701601

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* 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, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Clitoral Gland	Duct	Ectasia	Mild
		Inflammation	Mild
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Granuloma	Minimal
		Hepatodiaphragmatic Nodule	
		Vacuolization Cytoplasmic	Mild
	Note: TGL 5 - NCL		
	[Basophilic Focus TGLs = 6,8-3B+3D]		
	[Hepatodiaphragmatic Nodule TGLs = 7-3C]		
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Nose		Inflammation	Mild
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1601

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701601

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 3,4-9]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Mild
		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLs = 2-7A]			

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1602

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701602

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Cerebellum | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--|--------------|--|--------------------------|
| * Brain, Brain Stem
[Compression TGLs = 5-1A] | Hypothalamus | Compression | Mild |
| * Brain, Cerebrum
[Astrocytoma Nos TGLs = 13-1B] | | Astrocytoma Nos
Gliosis | Focal, Mild |
| * Clitoral Gl
Note: TGL 2 - Noted grossly as Clitoral gland was Mammary gland | | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney
[Mineralization TGLs = 12-8]
[Nephropathy TGLs = 12-8] | | Mineralization
Nephropathy | Mild
Mild |
| * Liver

Note: TGL 7 - NCL
Note: TGL 8 - NCL
Note: TGL 9 - NCL
Note: TGL 10 - NCL
Note: TGL 11 - NCL | Bile Duct | Angiectasis
Basophilic Focus
Hyperplasia | Mild
Multiple
Mild |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1602

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701602

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLs = 4-4]			
* Mammary Gland		Galactocele	
	Alveolus	Hyperplasia	Mild
[Galactocele TGLs = 1,2,3-2A+7+2B]			
* Nose		Inflammation	Mild
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 6-9]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1611

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701611

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|-----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * 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 | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Thoracic | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|----------------------------|---------------|--------------------------|---------------------|
| * Adrenal Medulla | | Pheochromocytoma Complex | |
| [Pheochromocytoma Complex | TGLs = 3-9] | | |
| * Clitoral Gland | Duct | Ectasia | Mild |
| [Ectasia | TGLs = 2-7] | | |
| * Eye | Retina | Degeneration | Marked |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | Multiple |
| | | Granuloma | Minimal |
| | Bile Duct | Hyperplasia | Minimal |
| Note: TGL 5 - NCL | | | |
| * Mammary Gland | | Fibroadenoma | |
| | | Lactation | Mild |
| [Fibroadenoma | TGLs = 1-2A] | | |
| * Ovary | | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma | TGLs = 4-9] | | |
| * Spinal Cord, Lumbar | Nerve | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1611

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701611

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Mild

* Uterus

Polyp Stromal

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1612

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701612

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle
* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Clitoral Gland	Duct	Ectasia	Marked
		Squamous Cell Papilloma	
	[Ectasia TGLs = 1-7]		
	[Squamous Cell Papilloma TGLs = 1-7]		
* Eye	Retina	Degeneration	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
* Liver		Degeneration	Cystic, Marked
		Leukemia Mononuclear	
	[Degeneration TGLs = 9-3A]		
	[Leukemia Mononuclear TGLs = 8-3]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Adenocarcinoma	
		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
Note: TGL 6 - Noted grossly as Mammary gland was Skin			
	[Adenocarcinoma TGLs = 4-2C]		
	[Fibroadenoma TGLs = 2,3,5-2A+2B+2D]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1612

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701612

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 10-9]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLs = 6-2E]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 7-9]			
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Adenoma	

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1621

TRT#: 6

SEX: Female

DAY ON TEST: 709

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701621

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Spinal Cord, Cervical	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Moderate
		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Atrophy	Mild
* Clitoral Gland		Carcinoma	
[Carcinoma TGLs = 6-7]			
* Eye	Retina	Degeneration	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLs = 10-3A]			
Lymph Node	Lumbar	Sarcoma	Metastatic (Tissue Nos)
Note: Sarcoma is either metastatic or invasive from lesion in retroperitoneal area.			
Note: TGL 11- NST (Lymph node, renal, enlarged; not found at trim)			
[Sarcoma TGLs = 9-17A]			
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Marked
		Lactation	Mild
Note: TGL 5 - Noted grossly as Mammary gland was Skin			
[Fibroadenoma TGLs = 1,2,3,4-2A+2B+2C+2D]			
* Ovary		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1621

TRT#: 6

SEX: Female

DAY ON TEST: 709

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701621

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
* Skeletal Muscle		Sarcoma	Metastatic (Tissue Nos)
Note: Sarcoma is either metastatic or invasive from retroperitoneal area.			
* Skin	Subcut Tiss	Sarcoma	Metastatic (Tissue Nos)
Note: TGL 5 was metastasis from lesion in retroperitoneal area listed as Tissue NOS.			
[Sarcoma TGLs = 5-2E]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
[Hematopoietic Cell Proliferation TGLs = 7-9]			
* Thymus		Atrophy	Mild
		Cyst	
Tissue NOS		Sarcoma	
Note: Located in retroperitoneal area			
[Sarcoma TGLs = 8-17]			
* Urin Bladder			
Note: Sarcoma noted in adjacent retroperitoneal tissue.			

PRIMARY CAUSE OF DEATH - Tissue NOS Sarcoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1622

TRT#: 6

SEX: Female

DAY ON TEST: 550

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | | |

MISSING

- * Urinary Bladder

OBSERVATIONS

- | | | | |
|---|----------------|----------------------------|---------------------|
| * Adrenal Cortex | | Angiectasis | Mild |
| * Clitoral Gland | Duct | Ectasia | Mild |
| [Ectasia TGLs = 1-7B] | | | |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Liver | Right Lat Lobe | Developmental Malformation | |
| [Developmental Malformation TGLs = 4-3A] | | | |
| * Mammary Gland | | Fibroadenoma | |
| | | Lactation | Minimal |
| [Fibroadenoma TGLs = 2,9-2A+2B] | | | |
| * Ovary | | Atrophy | Minimal |
| Note: Only one ovary available; none found in wet tissue. | | | |
| * Pancreas | Acinar Cell | Atrophy | Mild |
| * Pituitary Gland | | | |
| Note: TGL 8 - NCL | | | |
| * Skel Muscle | | | |
| Note: TGL 5 - NCL | | | |
| * Skin | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1622

TRT#: 6

SEX: Female

DAY ON TEST: 550

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701622

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 2 - Noted grossly as Skin was Mammary gland

* Spleen

Hematopoietic Cell Proliferation

Mild

* Thymus

Atrophy

Mild

* Urin Bladder

Note: Urinary bladder is probably enveloped by the large stromal sarcoma (TGL 3).

Note: WT attempted

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

Sarcoma Stromal

[Hyperplasia TGLs = 6-7A]

[Sarcoma Stromal TGLs = 3-7C]

Vagina

Mucocyte

Metaplasia

Mild

[Metaplasia TGLs = 7-17]

PRIMARY CAUSE OF DEATH

- Uterus Sarcoma Stromal

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1631

TRT#: 6

SEX: Female

DAY ON TEST: 639

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701631

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Vacuolization Cytoplasmic	Mild
* Brain, Brain Stem	Hypothalamus	Compression	Moderate
	[Compression TGLs = 7-1+1A]		
* Brain, Cerebrum	Ventricle	Dilatation	Mild
* Clitoral Gland		Inflammation	Moderate
	[Inflammation TGLs = 1-7]		
* Heart	Atrium	Thrombosis	
	[Thrombosis TGLs = 5-2]		
* Kidney		Nephropathy	Mild
	Note: TGL 10 - NCL		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2,3,9-3+3A+3B]		
* Lung		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-17]		
	[Leukemia Mononuclear TGLs = 6-17A]		
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Ovary		Atrophy	Marked
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1631

TRT#: 6

SEX: Female

DAY ON TEST: 639

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701631

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLs = 8-9]	Pars Distalis	Adenoma	
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1632

TRT#: 6

SEX: Female

DAY ON TEST: 562

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701632

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Clitoral Gland		Inflammation	Mild
	[Inflammation TGLs = 1-7B]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Mild
* Lung		Inflammation	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Pancreas	Acinar Cell	Atrophy	Mild
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	
Zymbal's Gland		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLs = 2-17]		

PRIMARY CAUSE OF DEATH - Zymbal's Gland Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1641

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701641

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Nose | * Pancreas | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Thoracic | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|---|---------------|----------------------|--------------|
| * Adrenal Cortex | | Angiectasis | Mild |
| Bone | Cranium | Osteoma | |
| [Osteoma TGLs = 14-17B] | | | |
| * Brain, Cerebrum | | Compression | Mild |
| [Compression TGLs = 13-1A] | | | |
| * Clitoral Gland | | Inflammation | Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 6,7,8,9,10-3A+3B+3C+3D+3E] | | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Deep Cervical | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 12-17A] | | | |
| * Lymph Node, Mandibular | | Degeneration | Cystic, Mild |
| | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Mammary Gland | | Fibroadenoma | |
| | Alveolus | Hyperplasia | Mild |
| [Fibroadenoma TGLs = 1,2,3-2A+2B+2C] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1641

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701641

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa		Squamous Cell Papilloma	
[Squamous Cell Papilloma	TGLs = 16-17C]		
* Ovary		Atrophy	Marked
		Cyst	
[Cyst	TGLs = 4-7]		
* Parathyroid Gland			
Note: No RC per pathologist			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia	TGLs = 15-9]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 5-9]		
* Thymus		Atrophy	Mild
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma	TGLs = 11-17]		

Animal Note: TGL 11 - Noted grossly as Cavity, oral was Tongue

Animal Note: TGL 16 - Noted grossly as Cavity, oral was Oral mucosa

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1642

TRT#: 6

SEX: Female

DAY ON TEST: 681

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701642

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|-----------------------------|---------------------------|-----------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Skeletal Muscle | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | | | |

OBSERVATIONS

- | | | | |
|------------------------------|-------------------|----------------------------|---------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| [Leukemia Mononuclear | TGLs = 6-9] | | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Clitoral Gland | | Inflammation | Mild |
| * Eye | Retina | Degeneration | Mild |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Mineralization | Minimal |
| * Liver | Left Lat Lobe | Developmental Malformation | |
| | | Leukemia Mononuclear | |
| [Developmental Malformation | TGLs = 8-3A] | | |
| [Leukemia Mononuclear | TGLs = 7-3] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Renal | Leukemia Mononuclear | |
| | Lumbar | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| [Leukemia Mononuclear | TGLs = 9-17] | | |
| [Leukemia Mononuclear | TGLs = 10-17A] | | |
| [Leukemia Mononuclear | TGLs = 12-17C] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| [Leukemia Mononuclear | TGLs = 2-10+10A] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| [Leukemia Mononuclear | TGLs = 14-11] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1642

TRT#: 6

SEX: Female

DAY ON TEST: 681

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701642

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLs = 3-2B]			
Oral Mucosa		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLs = 11-17B]			
* Ovary		Atrophy	Moderate
		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 13-9]			
* Salivary Glands		Leukemia Mononuclear	
* Skin		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 1-2A]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 5-9]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
* Urinary Bladder		Leukemia Mononuclear	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
Note: TGL 4 - NCL			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL 11 - Noted grossly as Cavity, oral was Oral mucosa

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1651

TRT#: 6

SEX: Female

DAY ON TEST: 698

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701651

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Nose	* Parathyroid Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Carcinoma	
		Inflammation	Marked
	[Carcinoma TGLs = 4-7B]		
	[Inflammation TGLs = 3-7]		
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	Multiple
		Leukemia Mononuclear	
	[Basophilic Focus TGLs = 14,15-3A+3B]		
Lymph Node	Lumbar	Degeneration	Cystic, Marked
	Iliac	Degeneration	Cystic, Marked
	Mediastinal, Medulla, Sinus	Dilatation	Moderate
	[Degeneration TGLs = 9-17]		
	[Degeneration TGLs = 10-17A]		
	[Dilatation TGLs = 11-17B]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 13-11]		
* Mammary Gland		Fibroadenoma	
		Galactocele	
	Alveolus	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1651

TRT#: 6

SEX: Female

DAY ON TEST: 698

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701651

ORGAN AND ACCOUNTABLE SITE STATUS

Lactation Minimal

[Fibroadenoma TGLs = 1,2-2A+2B]

[Galactocele TGLs = 2-2B]

* Ovary

Atrophy Marked
Cyst

[Cyst TGLs = 6-7C]

* Pancreas

Inflammation Mild

* Peripheral Nerve, Sciatic

Axon

Degeneration Minimal

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLs = 12-9B]

* Spinal Cord, Lumbar

Nerve

Degeneration Minimal

* Spinal Cord, Thoracic

Axon

Degeneration Minimal

* Spleen

Infarct
Leukemia Mononuclear

[Infarct TGLs = 8-9A]

[Leukemia Mononuclear TGLs = 7-9]

* Thymus

Atrophy Mild

* Urinary Bladder

Infiltration Cellular Lymphocyte, Minimal

* Uterus

Endometrium

Hyperplasia Cystic, Mild

[Hyperplasia TGLs = 5-7A]

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1652

TRT#: 6

SEX: Female

DAY ON TEST: 480

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701652

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Clitoral Gland	Duct	Ectasia	Moderate
		Inflammation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 3-11]		
* Mammary Gland		Lactation	Minimal
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLs = 2-9]		
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1-9]		
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1711

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500701711

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Adenoma	
	[Adenoma TGLs = 1-7]		
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
	Left Lat Lobe	Developmental Malformation	
		Granuloma	Mild
		Vacuolization Cytoplasmic	Minimal
	[Basophilic Focus TGLs = 4-3]		
	[Developmental Malformation TGLs = 2-3A]		
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Ovary		Atrophy	Mild
* Pancreas		Accessory Spleen	
	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-9]		
* Spinal Cord, Cervical	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1711

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500701711

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1712

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500701712

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Focal, Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
	[Basophilic Focus TGLs = 3-3]		
* Mammary Gland	Alveolus	Hyperplasia	Minimal
		Lactation	Minimal
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 1-17]		
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2-9]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1721

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500701721

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
		Granuloma	Mild
	[Basophilic Focus TGLs = 5-3]		
	[Eosinophilic Focus TGLs = 6-3A]		
* Mammary Gland	Alveolus	Hyperplasia	Mild
Mesentery			
	Note: Mesentery, polyarteritis located on slide 12		
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3,4-9]		
* Spleen		Hyperplasia	Lymphoid, Moderate
	[Hyperplasia TGLs = 1-9]		
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1721

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500701721

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 2-7A]

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1722

TRT#: 10

SEX: Female

DAY ON TEST: 691

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500701722

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Cerebellum
* Clitoral Gland	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Brain, Brain Stem	Hypothalamus	Compression	Moderate
[Compression TGLs = 4-1A]			
* Brain, Cerebrum	Ventricle	Dilatation	Mild
* Brain Cerebellum			
Note: TGL 6 - NCL			
Note: Gross observation recorded as TGL 6 was post mortem change.			
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Moderate
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
[Basophilic Focus TGLs = 3-3]			
* Mammary Gland		Fibroadenoma	
		Galactocele	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLs = 1,2-2A+2B]			
[Galactocele TGLs = 1,2-2A+2B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1722

TRT#: 10

SEX: Female

DAY ON TEST: 691

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500701722

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Moderate
		Cyst	
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5-9]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1731

TRT#: 10

SEX: Female

DAY ON TEST: 546

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500701731

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland	* Esophagus
* Harderian Gland	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Uterus	

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum
* Nose			

OBSERVATIONS

* Adrenal Cortex [Angiectasis TGLs = 3-9]		Angiectasis	Marked
* Brain, Brain Stem [Compression TGLs = 8-1]	Hypothalamus	Compression	Mild
* Heart		Cardiomyopathy	Mild
* Kidney [Nephropathy TGLs = 4-8]		Nephropathy	Moderate
* Liver Note: TGL 5 - NCL [Developmental Malformation TGLs = 6-3A]	Left Lat Lobe	Developmental Malformation Vacuolization Cytoplasmic	Minimal
* Mammary Gland [Galactocele TGLs = 1,7,11,12-2A+2B+2C+2D]	Alveolus	Galactocele Hyperplasia Lactation	Marked Moderate
* Ovary		Atrophy	Moderate
* Pituitary Gland [Adenoma TGLs = 9-9A]	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1731

TRT#: 10

SEX: Female

DAY ON TEST: 546

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500701731

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Mild
* Thyroid GI Note: TGL 10 - NCL		
* Urinary Bladder [Dilatation TGLs = 2-8]	Dilatation	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1732

TRT#: 10

SEX: Female

DAY ON TEST: 565

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500701732

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Clitoral Gland	Duct	Ectasia	Moderate
[Ectasia TGLs = 2-7]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Liver		Basophilic Focus	Multiple
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Marked
[Infiltration Cellular TGLs = 4-4+4A]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Moderate
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 5-9A]			
* Skin		Basal Cell Carcinoma	
[Basal Cell Carcinoma TGLs = 1-2A]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Uterus		Polyp Stromal	
Note: TGL 3 is due to lesion on slide 7A not slide 7B			
[Polyp Stromal TGLs = 3-7A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1732

TRT#: 10

SEX: Female

DAY ON TEST: 565

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500701732

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Skin Basal Cell Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1741

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500701741

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Granuloma	Mild
	Bile Duct	Hyperplasia	Minimal
	[Basophilic Focus TGLs = 1-3]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland	Alveolus	Hyperplasia	Minimal
		Lactation	Minimal
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1742

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500701742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Spinal Cord, Lumbar	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Angiectasis	Mild
* Clitoral Gland	Duct	Ectasia	Mild
[Ectasia TGLs = 3-7]			
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Granuloma	Mild
Note: TGL 4 - NCL			
[Basophilic Focus TGLs = 5-3B]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLs = 6-4]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
Note: TGL 1 - Noted grossly as Mammary gland was Skin			
[Fibroadenoma TGLs = 2,7-2B+2C]			
* Nose		Inflammation	Mild
* Ovary		Atrophy	Minimal
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1742

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500701742

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Basal Cell Carcinoma	
	[Basal Cell Carcinoma TGLs = 1-2A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Thymus		Atrophy	Mild
		Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Horn	Dilatation	Moderate

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1861

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701861

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Inflammation	Moderate
	[Inflammation TGLs = 1-7]		
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
	[Basophilic Focus TGLs = 4-3]	Vacuolization Cytoplasmic	Mild
	[Vacuolization Cytoplasmic TGLs = 5-3A]		
* Lung			
	Note: TGL 7 - NCL		
* Mammary Gland		Galactocele	
	Alveolus	Hyperplasia	Moderate
	[Galactocele TGLs = 2,3-2A+2B]		
* Pancreas	Acinar Cell	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 6-9]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1862

TRT#: 8

SEX: Female

DAY ON TEST: 642

DOSE: 0.175 ACRYL

DISP: Natural Death

HISTO: 021500701862

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---|---------------|--|------------------|
| * Adren Cortex | | | |
| Note: TGL 5 - NCL | | | |
| * Clitoral Gland | Duct | Ectasia
Inflammation | Mild
Mild |
| Note: One clitoral gland missing. | | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| * Mammary Gland | Alveolus | Fibroadenoma
Hyperplasia
Lactation | Moderate
Mild |
| Note: Fibroadenoma located on slide 7. | | | |
| * Ovary | | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLs = 4-9A] | | | |
| * Spinal Cord, Lumbar | Nerve | Degeneration | Minimal |
| * Spleen | | Hematopoietic Cell Proliferation | Marked |
| [Hematopoietic Cell Proliferation TGLs = 2-9] | | | |
| * Thymus | | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1862

TRT#: 8

SEX: Female

DAY ON TEST: 642

DOSE: 0.175 ACRYL

DISP: Natural Death

HISTO: 021500701862

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Follicular Cel	Carcinoma
[Carcinoma TGLs = 3-6]		
* Uterus		Sarcoma Stromal
[Sarcoma Stromal TGLs = 1-7B]		

PRIMARY CAUSE OF DEATH - Uterus Sarcoma Stromal

CONTRIBUTORY CAUSE OF DEATH - Thyroid Gland Follicular Cel Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1871

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701871

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* 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	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Carcinoma	
	[Carcinoma TGLs = 1-7]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
	[Eosinophilic Focus TGLs = 4-3]	Granuloma	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 5-4A]		
Lymph Node	Renal	Hemorrhage	Mild
	Note: TGL 2 - NCL		
	[Hemorrhage TGLs = 3-17A]		
Mesentery			
	Note: TGL 2 - Noted grossly as Mesentery was Lymph node		
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1871

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701871

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Mild

* Thyroid Gland

C Cell

Adenoma

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1872

TRT#: 8

SEX: Female

DAY ON TEST: 651

DOSE: 0.175 ACRYL

DISP: Natural Death

HISTO: 021500701872

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Thoracic	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Thrombosis	
* Clitoral Gland	Duct	Ectasia	Moderate
		Inflammation	Mild
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Necrosis	Marked
	[Necrosis TGLs = 4,5,6,10-3A+3+3B+3C]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Note: TGL 11 - NCL		
* Lym Node Mand			
	Note: TGL 2 - NCL		
	Note: Observation recorded as TGL 2 was due to post mortem change.		
* Lym Node Mesen			
	Note: TGL 9 - NCL		
	Note: Observation recorded as TGL 9 was due to post mortem change.		
	Lymph Node		
	Note: Observation recorded as TGL 7 was due to post mortem change.		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1872

TRT#: 8

SEX: Female

DAY ON TEST: 651

DOSE: 0.175 ACRYL

DISP: Natural Death

HISTO: 021500701872

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 7 - NCL (Lymph node, Mediastinal)

* Mammary GI

Note: RC attempted

* Ovary

Atrophy

Mild

* Pancreas

Acinar Cell

Atrophy

Minimal

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLs = 8-9A]

* Spinal Cord, Lumbar

Nerve

Degeneration

Minimal

* Spleen

Red Pulp

Atrophy

Mild

Pigmentation

Moderate

[Atrophy TGLs = 3-9]

* Stomach, Forestomach

Squamous Cell Papilloma

Note: TGL 12 - NCL

* Stom Gland

Note: TGL 13 - NCL

* Thymus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

- Liver Centrilobular Necrosis

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1881

TRT#: 8

SEX: Female

DAY ON TEST: 669

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701881

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|-------------------------|-------------------------------------|----------------------|----------|
| * Adrenal Cortex | | Angiectasis | Minimal |
| * Adrenal Medulla | | Angiectasis | Minimal |
| * Clitoral Gland | | Carcinoma | |
| | [Carcinoma TGLs = 1-7] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | Multiple |
| | [Basophilic Focus TGLs = 3-3A] | | |
| * Mammary Gland | Alveolus | Hyperplasia | Minimal |
| | | Lactation | Minimal |
| * Ovary | | Atrophy | Mild |
| * Spinal Cord, Lumbar | Nerve | Degeneration | Minimal |
| * Spinal Cord, Thoracic | Axon | Degeneration | Minimal |
| * Spleen | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 2-9] | | |
| * Thymus | | Atrophy | Mild |

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1882

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701882

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	[Basophilic Focus TGLs = 3-3]		
* Lung		Granuloma	Minimal
	[Granuloma TGLs = 2-4A]		
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Minimal
		Lactation	Minimal
	[Fibroadenoma TGLs = 4-2A]		
* Nose		Inflammation	Minimal
Oral Mucosa		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 1-17]		
* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1882

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701882

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

Animal Note: TGL 1 - Noted grossly as Cavity, oral was Oral mucosa

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1891

TRT#: 8

SEX: Female

DAY ON TEST: 402

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701891

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone Marrow	Hyperplasia	Moderate
* Clitoral Gland	Adenoma	
[Adenoma TGLs = 1-7A]		
* Kidney	Mineralization	Mild
* Liver	Hematopoietic Cell Proliferation	Minimal
* Ovary	Atrophy	Mild
* Spleen	Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLs = 2-9]		
* Thymus	Atrophy	Mild

PRIMARY CAUSE OF DEATH - Clitoral Gland Adenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1892

TRT#: 8

SEX: Female

DAY ON TEST: 632

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701892

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Atrophy	Minimal
* Clitoral Gland		Carcinoma	
[Carcinoma TGLs = 1-7]			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	Multiple
Note: TGL 4 - NCL			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLs = 5-17A]			
* Mammary Gland	Alveolus	Hyperplasia	Moderate
		Lactation	Moderate
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLs = 3-17]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 6-9]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1892

TRT#: 8

SEX: Female

DAY ON TEST: 632

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701892

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Polyp Stromal

[Polyp Stromal TGLs = 2-7A]

PRIMARY CAUSE OF DEATH

- Clitoral Gland Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1901

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701901

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Carcinoma	
	[Carcinoma TGLs = 1-7]		
* Eye	Retina	Degeneration	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Granuloma	Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	[Hepatodiaphragmatic Nodule TGLs = 2-3A]		
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1902

TRT#: 8

SEX: Female

DAY ON TEST: 556

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701902

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland
* Esophagus	* Eye	* 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	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Mineralization	Moderate
* Liver		Basophilic Focus	Multiple
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-2A]		
* Ovary		Atrophy	Minimal
* Pancreas	Acinar Cell	Atrophy	Mild
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1961

TRT#: 7

SEX: Female

DAY ON TEST: 585

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow

Note: Moderate autolysis is present. This Bone marrow was not adequately fixed.

* Clitoral Gland

[Carcinoma TGLs = 1-7]

Carcinoma

* Eye

Retina

Degeneration

Mild

* Heart

Cardiomyopathy

Mild

* Kidney

Mineralization

Mild

* Liver

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 4-3]

Lymph Node

Degeneration

Cystic, Mild

Note: TGL 5 - Noted grossly as Lymph node, mediastinal was Thymus

[Degeneration TGLs = 3-17]

* Mammary GI

Note: RC/WT attempted

Mesentery

Note: TGL 3 - Noted grossly as Mesentery was Lymph node

* Ovary

Atrophy

Moderate

* Pituitary GI

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1961

TRT#: 7

SEX: Female

DAY ON TEST: 585

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701961

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 6 - NCL

* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-9A]		
* Thymus		Atrophy	Moderate
	[Atrophy TGLs = 5-17A]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1962

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Bone, Femur		Osteopetrosis	Mild
* Clitoral Gland	Duct	Ectasia	Moderate
[Ectasia TGLs = 2-7]			
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Multiple
		Granuloma	Mild
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Mild
[Basophilic Focus TGLs = 4-3]			
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Moderate
[Fibroadenoma TGLs = 1-2A]			
* Nose		Osteopetrosis	Mild
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1962

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701962

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLs = 3-6]

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1971

TRT#: 7

SEX: Female

DAY ON TEST: 709

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Thoracic	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Bone, Femur		Osteopetrosis	Marked
* Clitoral Gland	Duct	Ectasia	Mild
* Heart	Atrium	Thrombosis	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Necrosis	Mild
		Vacuolization Cytoplasmic	Marked
	[Necrosis TGLs = 3,4,5,6-3A+3B+3C+3]		
	[Vacuolization Cytoplasmic TGLs = 3,4,5,6-3A+3B+3C+3]		
* Lung	Alveolar Epith	Hyperplasia	Marked
		Inflammation	Mild
	[Hyperplasia TGLs = 7-4A]		
	[Inflammation TGLs = 7-4A]		
* Lymph Node, Mesenteric		Degeneration	Cystic, Moderate
* Mammary Gland	Alveolus	Hyperplasia	Moderate
		Lactation	Minimal
* Nose		Osteopetrosis	Moderate
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1971

TRT#: 7

SEX: Female

DAY ON TEST: 709

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701971

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 2,8-9A]

* Spinal Cord, Lumbar

Nerve

Degeneration

Minimal

* Spleen

Hematopoietic Cell Proliferation

Marked

[Hematopoietic Cell Proliferation TGLs = 1-9]

* Stomach, Forestomach

Edema

Moderate

Hyperplasia

Mild

Ulcer

Moderate

* Thymus

Note: No RC per pathologist

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

- Heart Atrium Thrombosis

CONTRIBUTORY CAUSE OF DEATH

- Liver Centrilobular Necrosis

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1972

TRT#: 7

SEX: Female

DAY ON TEST: 682

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Cerebellum
* Esophagus	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Adrenal Medulla		Angiectasis	Mild
* Brain, Brain Stem	Hypothalamus	Compression	Mild
[Compression TGLs = 7-1A]			
* Brain, Cerebrum	Ventricle	Dilatation	Mild
* Clitoral Gland		Adenoma	
* Eye	Retina	Degeneration	Minimal
* Kidney		Nephropathy	Mild
* Liver			
Note: TGL 3 - NCL			
Note: TGL 4 - NCL			
Lymph Node	Mediastinal	Inflammation	Moderate
Note: Moderated inflammation noted in mediastinal connective tissue.			
[Inflammation TGLs = 5-17]			
* Mammary Gland	Alveolus	Fibroadenoma	
		Hyperplasia	Moderate
		Lactation	Moderate
[Fibroadenoma TGLs = 1,2,9-2A+2B+2C]			
* Nose		Inflammation	Moderate
* Ovary		Atrophy	Moderate
* Pancreas	Acinar Cell	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1972

TRT#: 7

SEX: Female

DAY ON TEST: 682

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701972

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLs = 8-9A]	Pars Distalis	Adenoma	
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen	Red Pulp	Atrophy	Mild
		Pigmentation	Moderate
* Thymus		Atrophy	Mild
Tongue [Squamous Cell Papilloma TGLs = 6-17A]		Squamous Cell Papilloma	

PRIMARY CAUSE OF DEATH - Tongue Squamous Cell Papilloma

CONTRIBUTORY CAUSE OF DEATH - Nose Inflammation

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1981

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Brain, Cerebellum		Astrocytoma Nos	
* Clitoral Gland	Duct	Ectasia	Moderate
	[Ectasia TGLs = 1-7]		
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Eosinophilic Focus	Multiple
		Granuloma	Mild
Note: TGL 7 - NCL			
Note: TGL 9 - NCL			
	[Basophilic Focus TGLs = 5-3]		
	[Degeneration TGLs = 6-3B]		
	[Eosinophilic Focus TGLs = 4,6-3A+3B]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 2-4A]		
* Mammary Gland		Lactation	Mild
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1981

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701981

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 3-9A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Thymus		Atrophy	Mild
		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLs = 8-7A]			

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1982

TRT#: 7

SEX: Female

DAY ON TEST: 464

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Brain, Brain Stem		Infiltration Cellular	Mononuclear CI, Minimal
* Clitoral Gland		Inflammation	Mild
	[Inflammation TGLs = 1-7A]		
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
* Liver		Vacuolization Cytoplasmic	Moderate
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 7-11A]		
* Ovary		Atrophy	Moderate
* Pancreas		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 5-10+10A]		
* Pituitary Gland		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 6-9]		
* Spleen	Red Pulp	Hyperplasia	Moderate
	Capsule	Proliferation Connective Tissue	Moderate
	[Proliferation Connective Tissue TGLs = 4-9A]		
* Stomach, Forestomach		Lymphoma Malignant	
	Note: Malignant lymphoma of forestomach is on slide 9A		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1982

TRT#: 7

SEX: Female

DAY ON TEST: 464

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701982

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 2-7]			
Vagina	Mucocyte	Metaplasia	Moderate
[Metaplasia TGLs = 3-17]			

PRIMARY CAUSE OF DEATH - Lymph Node, Mesenteric Lymphoma Malignant

CONTRIBUTORY CAUSE OF DEATH - Pancreas Lymphoma Malignant

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1991

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---|--------|-------------------------------|-------------------------|
| * Adrenal Cortex | | Angiectasis
Hypertrophy | Moderate
Focal, Mild |
| Note: TGL 4 - NCL | | | |
| * Adren Medulla | | | |
| Note: TGL 4 - NCL | | | |
| * Brain Stem | | | |
| Note: TGL 8 - NST (Brain stem, deformity - not found at trim) | | | |
| * Clitoral Gland | | Inflammation | Moderate |
| [Inflammation TGLs = 1-7] | | | |
| * Eye | Retina | Degeneration | Moderate |
| * Heart | | Cardiomyopathy | Minimal |
| | | Schwannoma Malignant | |
| * Kidney | | Nephropathy | Moderate |
| [Nephropathy TGLs = 6-8] | | | |
| * Liver | | Basophilic Focus
Granuloma | Multiple
Mild |
| [Basophilic Focus TGLs = 10-3] | | | |
| * Lung | | | |
| Note: TGL 7 - NCL | | | |
| * Lym Node Mand | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1991

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500701991

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 2 - NCL

* Mammary Gland

Lactation

Minimal

* Ovary

Atrophy

Marked

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLs = 9-9]

* Spinal Cord, Lumbar

Nerve

Degeneration

Minimal

* Spleen

Pigmentation

Mild

Note: TGL 5 - NCL

* Thymus

Atrophy

Moderate

* Uterus

Endometrium

Hyperplasia

Cystic, Marked

Polyp Stromal

[Polyp Stromal TGLs = 3-7A]

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 1992

TRT#: 7

SEX: Female

DAY ON TEST: 523

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
		Vacuolization Cytoplasmic	Mild
* Clitoral Gland		Inflammation	Moderate
[Inflammation TGLs = 1-7]			
* Kidney		Accumulation, Hyaline Droplet	Moderate
		Mineralization	Minimal
		Pigmentation	Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4-3]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Degeneration	Cystic, Marked
[Degeneration TGLs = 3-11]			
* Mammary Gland		Lactation	Mild
* Nose		Inflammation	Mild
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 5-9A]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 2-9]			
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 1992

TRT#: 7

SEX: Female

DAY ON TEST: 523

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500701992

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2001

TRT#: 7

SEX: Female

DAY ON TEST: 655

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * 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 | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|---|---------------|-----------------------|---------------------|
| * Adrenal Medulla | | Hyperplasia | Focal, Mild |
| * Clitoral Gland | | Inflammation | Mild |
| [Inflammation TGLs = 1-7] | | | |
| * Eye | Retina | Degeneration | Marked |
| [Phthisis Bulbi TGLs = 6-13] | | Phthisis Bulbi | |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Mild |
| | | Pigmentation | Marked |
| * Liver | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 5-3] | | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| [Infiltration Cellular TGLs = 2-10+10A] | | | |
| * Mammary Gland | Alveolus | Hyperplasia | Moderate |
| * Ovary | | Atrophy | Moderate |
| | | Leukemia Mononuclear | |
| * Pituitary Gland | Pars Distalis | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2001

TRT#: 7

SEX: Female

DAY ON TEST: 655

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702001

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 7-9A]
* Spinal Cord, Cervical Axon Degeneration Minimal
* Spleen Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 4-9]
* Thymus
Note: No RC per pathologist
* Uterus Polyp Stromal
Note: Stromal polyp is completely infarcted.
[Polyp Stromal TGLs = 3-7A]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2002

TRT#: 7

SEX: Female

DAY ON TEST: 404

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702002

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|-------------------|---|----------------------------------|----------|
| * Clitoral Gland | | Inflammation | Moderate |
| * Eye | | Cataract | |
| | Retina | Degeneration | Marked |
| | [Cataract TGLs = 3-13] | | |
| | [Degeneration TGLs = 3-13] | | |
| * Int Lg Colon | | | |
| | Note: Locate on slide 12 | | |
| * Int Sm Ileum | | | |
| | Note: Locate on slide 11 | | |
| * Kidney | | Mineralization | Moderate |
| * Liver | | Granuloma | Minimal |
| * Ovary | | Atrophy | Marked |
| * Skeletal Muscle | | Rhabdomyosarcoma | |
| | [Rhabdomyosarcoma TGLs = 2-17] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | [Hematopoietic Cell Proliferation TGLs = 1-9] | | |
| * Thymus | | Atrophy | Mild |

PRIMARY CAUSE OF DEATH - Skeletal Muscle Rhabdomyosarcoma

Animal Note: TGL 2 - Noted grossly as Cavity, abdominal was Skeletal muscle, abdominal wall

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2011

TRT#: 10

SEX: Female

DAY ON TEST: 699

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500702011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Eye	* 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	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Inflammation	Moderate
[Inflammation TGLs = 1-7]			
* Esophagus		Mesothelioma Malignant	
[Mesothelioma Malignant TGLs = 6-6A]			
* Harderian Gland		Inflammation	Minimal
* Kidney		Nephropathy	Marked
[Nephropathy TGLs = 4-8]			
* Liver	Centrilobular	Necrosis	Marked
Lymph Node			
Note: TGL 5 - Noted grossly as Lymph node, pancreatic was Mesentery			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLs = 2-2A]			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLs = 3,5-17+17A]			
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 7-9A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2011

TRT#: 10

SEX: Female

DAY ON TEST: 699

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500702011

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Esophagus Mesothelioma Malignant

CONTRIBUTORY CAUSE OF DEATH - Mesentery Mesothelioma Malignant

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2012

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Cerebellum
* Brain, Cerebrum	* 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	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Adrenal Medulla		Angiectasis	Mild
* Brain, Brain Stem	Hypothalamus	Compression	Mild
[Compression TGLs = 7-1A]			
* Clitoral Gland		Carcinoma	
[Carcinoma TGLs = 4-7B]			
* Eye	Retina	Degeneration	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
	Left Lat Lobe	Developmental Malformation	
		Granuloma	Minimal
	Bile Duct	Hyperplasia	Minimal
[Basophilic Focus TGLs = 9-3]			
[Developmental Malformation TGLs = 5-3A]			
* Lung		Granuloma	Minimal
Lymph Node	Renal	Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLs = 6-17]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Adenocarcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2012

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702012

ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolus	Fibroadenoma Hyperplasia Lactation	Mild Mild
	[Adenocarcinoma TGLs = 3-2C] [Fibroadenoma TGLs = 1,2-2A+2B]		
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 8-9A]		
* Spinal Cord, Cervical	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2021

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* 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	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Focal, Mild
* Brain, Brain Stem	Hypothalamus	Compression	Mild
[Compression TGLs = 3-1A]			
* Clitoral Gland		Inflammation	Mild
[Inflammation TGLs = 1-7]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Granuloma	Mild
* Lung		Granuloma	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Granuloma TGLs = 4-4A]			
[Infiltration Cellular TGLs = 4-4A]			
* Mammary Gland	Alveolus	Hyperplasia	Moderate
		Lactation	Minimal
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 2-9A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2021

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702021

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2022

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Clitoral Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum	Mucosa	Hyperplasia	Mild
	[Hyperplasia TGLs = 4-12A]		
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Granuloma	Mild
	[Basophilic Focus TGLs = 3-3]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLs = 2-4A]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Marked
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLs = 1-7A]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2031

TRT#: 10

SEX: Female

DAY ON TEST: 659

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500702031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Bone Marrow		Atrophy	Moderate
* Clitoral Gland		Inflammation	Minimal
* Heart	Atrium	Thrombosis	
* Kidney		Mineralization	Mild
* Liver		Nephropathy	Minimal
* Lymph Node, Mandibular		Vacuolization Cytoplasmic	Marked
* Lymph Node, Mesenteric	Lymphocyte	Atrophy	Lymphocyte, Moderate
* Mammary Gland	Alveolus	Atrophy	Marked
* Nose		Hyperplasia	Moderate
* Ovary		Lactation	Mild
* Pancreas		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Atrophy	Mild
* Spleen	Red Pulp	Infiltration Cellular	Lymphocyte, Moderate
* Thymus		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2031

TRT#: 10

SEX: Female

DAY ON TEST: 659

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500702031

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Heart Atrium Thrombosis

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2032

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * 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 | * Skeletal Muscle | * Spinal Cord, Thoracic | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|-----------------------------|---------------------------------------|---------------------------|---------------------|
| * Adrenal Cortex | | Angiectasis | Mild |
| * Clitoral Gland | | Inflammation | Mild |
| | [Inflammation TGLs = 1-7] | | |
| * Eye | Retina | Degeneration | Mild |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Mild |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | | Granuloma | Minimal |
| | | Vacuolization Cytoplasmic | Minimal |
| | [Basophilic Focus TGLs = 4-3] | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | [Infiltration Cellular TGLs = 3-4A] | | |
| * Mammary Gland | Alveolus | Hyperplasia | Mild |
| * Ovary | | Atrophy | Mild |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Marked |
| * Skin | Epidermis | Hyperplasia | Mild |
| | [Hyperplasia TGLs = 2-2A] | | |
| * Spinal Cord, Cervical | Axon | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2032

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702032

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Thymus		Atrophy	Mild
		Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Marked

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2041

TRT#: 10

SEX: Female

DAY ON TEST: 670

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500702041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Moderate
* Brain, Brain Stem	Hypothalamus	Compression	Mild
	[Compression TGLs = 7-1A]		
* Clitoral Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver	Left Lat Lobe	Developmental Malformation	
		Hematopoietic Cell Proliferation	Moderate
Note: TGL 4 - NCL			
Note: TGL 9 - NCL			
	[Developmental Malformation TGLs = 5-3A]		
Lymph Node	Renal	Hemorrhage	Mild
	Note: TGL 6 is probably an agonal change.		
	[Hemorrhage TGLs = 6-17A]		
* Mammary Gland		Adenocarcinoma	
	[Adenocarcinoma TGLs = 1-2A]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 2-17]		
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2041

TRT#: 10

SEX: Female

DAY ON TEST: 670

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500702041

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 8-9A]

* Spinal Cord, Cervical

Axon

Degeneration

Minimal

* Spinal Cord, Lumbar

Nerve

Degeneration

Minimal

* Spleen

Hematopoietic Cell Proliferation

Marked

[Hematopoietic Cell Proliferation TGLs = 3-9]

* Thymus

Atrophy

Mild

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

- Mammary Gland Adenocarcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2042

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Clitoral Gland		Inflammation	Moderate
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
	[Schwannoma Malignant TGLs = 5-2]	Schwannoma Malignant	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Multiple
		Granuloma	Mild
	[Hepatodiaphragmatic Nodule TGLs = 3-3A]	Hepatodiaphragmatic Nodule	
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Moderate
	[Fibroadenoma TGLs = 1,2-2A+2B]		
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4-9A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2042

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702042

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Polyp Stromal

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2101

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skeletal Muscle
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Multiple
		Granuloma	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
[Basophilic Focus TGLs = 4-3]			
* Mammary Gland	Alveolus	Fibroadenoma	
		Hyperplasia	Mild
Note: TGL 1 - Noted grossly as Mammary gland was Skin			
[Fibroadenoma TGLs = 2-2B]			
* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 3-9A]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLs = 1-2A]			
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2101

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 0.70 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702101

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

* Thymus

Atrophy

Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2102

TRT#: 6

SEX: Female

DAY ON TEST: 679

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Thoracic	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Clitoral Gland	Duct	Ectasia	Marked
	[Ectasia TGLs = 1-7]		
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Mild
	Centrilobular	Necrosis	Minimal
	[Vacuolization Cytoplasmic TGLs = 7-3]	Vacuolization Cytoplasmic	Marked
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Mammary Gland		Fibroadenoma	
		Galactocele	
	Alveolus	Hyperplasia	Moderate
	[Fibroadenoma TGLs = 2-2A]	Lactation	Moderate
	[Galactocele TGLs = 2-2A]		
* Ovary		Atrophy	Mild
* Spinal Cord, Cervical		Gliosis	Focal, Mild
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2102

TRT#: 6

SEX: Female

DAY ON TEST: 679

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702102

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Hematopoietic Cell Proliferation Infarct	Marked
[Hematopoietic Cell Proliferation TGLs = 5-9] [Infarct TGLs = 6-9A]		
* Stomach, Forestomach	Edema Hyperplasia	Moderate Moderate
[Edema TGLs = 9-12+12B] [Hyperplasia TGLs = 9-12+12B]		
* Stomach, Glandular	Inflammation	Mild
[Inflammation TGLs = 8-12A]		
* Thymus	Atrophy	Mild
* Uterus	Polyp Stromal	
[Polyp Stromal TGLs = 3-7A]		
Vagina	Mucocyte Metaplasia	Moderate
[Metaplasia TGLs = 4-17]		

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2111

TRT#: 6

SEX: Female

DAY ON TEST: 726

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Thoracic
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Focal, Mild
* Brain, Brain Stem	Hypothalamus	Compression	Minimal
[Compression TGLs = 6-1A]			
* Clitoral Gland			
Note: TGL 4 - Noted grossly as Clitoral gland was Mammary gland			
Note: No RC per pathologist; clitoral gland was obliterated by Mammary gland Fibroadenoma.			
* Eye	Retina	Degeneration	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
[Basophilic Focus TGLs = 8-3]			
[Eosinophilic Focus TGLs = 9,10,11,12,13-3A+3B+3C+3D+3E]			
* Lung			
Note: TGL 14 - NCL			
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2111

TRT#: 6

SEX: Female

DAY ON TEST: 726

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702111

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLs = 1,2,3,4-2A+2B+2C+7]

* Nose		Inflammation	Minimal
Oral Mucosa		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 5-17]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 7-9]		
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

Animal Note: TGL 5 - Noted grossly as Cavity, oral was Oral mucosa

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2112

TRT#: 6

SEX: Female

DAY ON TEST: 661

DOSE: 0.70 ACRYL

DISP: Natural Death

HISTO: 021500702112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Colon	* Intestine Small, Ileum	* Intestine Small, Jejunum
-------	--------------------------	--------------------------	----------------------------

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Clitoral Gland	Duct	Ectasia	Moderate
		Inflammation	Marked
* Eye			
Note: TGL 9 - NCL			
* Heart	Myocardium	Cardiomyopathy	Mild
		Hyperplasia	Marked
* Kidney		Nephropathy	Moderate
* Liver	Centrilobular	Necrosis	Moderate
		Regeneration	Moderate
[Necrosis TGLs = 11-3+3A+3B+3C+3D]			
[Regeneration TGLs = 2,3,4,5,6-3+3A+3B+3C+3D]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLs = 1-2A]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLs = 8-17]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2112

TRT#: 6

SEX: Female

DAY ON TEST: 661

DOSE: 0.70 ACRYL

DISP: Natural Death

HISTO: 021500702112

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Mild
* Ovary		Atrophy	Mild
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 10-9]			
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Liver Centrilobular Necrosis

Animal Note: TGL 7 - NST (Cavity, thoracic, fluid)

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2121

TRT#: 6

SEX: Female

DAY ON TEST: 474

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Clitoral Gland |
| * Esophagus | * Eye | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---------------------------------------|---------------|---------------------------|-----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Int Lg Cecum | | | |
| Note: TGL 2 - NCL | | | |
| * Kidney | | Mineralization | Mild |
| * Liver | | Granuloma | Minimal |
| | | Vacuolization Cytoplasmic | Mild |
| * Lung | | Inflammation | Mild |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Moderate |
| [Infiltration Cellular TGLs = 1-10] | | | |
| * Mammary Gland | | Lactation | Mild |
| Oral Mucosa | | Squamous Cell Carcinoma | |
| Note: Located on slide 14 | | | |
| * Ovary | | Atrophy | Moderate |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLs = 4-9] | | | |
| * Spinal Cord, Cervical | Axon | Degeneration | Minimal |
| * Spleen | | Pigmentation | Moderate |
| * Thymus | | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2121

TRT#: 6

SEX: Female

DAY ON TEST: 474

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702121

ORGAN AND ACCOUNTABLE SITE STATUS

Tongue

Squamous Cell Carcinoma

[Squamous Cell Carcinoma TGLs = 3-17]

PRIMARY CAUSE OF DEATH

- Tongue Squamous Cell Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2122

TRT#: 6

SEX: Female

DAY ON TEST: 544

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Clitoral Gland		Inflammation	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Granuloma	Minimal
Note: TGL 2 - NCL			
Note: TGL 3 - NCL			
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thymus		Atrophy	Mild
* Urinary Bladder	Transit Epithe	Carcinoma	
	[Carcinoma TGLs = 1-8A]		
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLs = 4-7A]		

PRIMARY CAUSE OF DEATH - Urinary Bladder Transit Epithe Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2131

TRT#: 6

SEX: Female

DAY ON TEST: 564

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| Lacrimal Gland | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---|----------|-----------------------|---------------------|
| * Adrenal Cortex | | Angiectasis | Mild |
| | | Hypertrophy | Focal, Moderate |
| * Clitoral Gland | | Adenoma | |
| | | Inflammation | Moderate |
| Note: TGL 3 noted bilateral enlargement. One gland had adenoma; the other inflammation. | | | |
| [Adenoma TGLs = 3-7] | | | |
| [Inflammation TGLs = 3-7] | | | |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| Lacrimal GI | | | |
| Note: TGL 8 - NCL | | | |
| * Liver | | Basophilic Focus | Multiple |
| | | Infiltration Cellular | Lymphocyte, Minimal |
| [Basophilic Focus TGLs = 6-3] | | | |
| * Mammary Gland | | Fibroadenoma | |
| | Alveolus | Hyperplasia | Moderate |
| | | Lactation | Moderate |
| [Fibroadenoma TGLs = 1,2-2A+2B] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2131

TRT#: 6

SEX: Female

DAY ON TEST: 564

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702131

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Necrosis TGLs = 5-17]	Fat	Necrosis	Moderate
* Ovary		Atrophy	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland [Adenoma TGLs = 7-9A]	Pars Distalis	Adenoma	
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus [Polyp Stromal TGLs = 4-7A]		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2132

TRT#: 6

SEX: Female

DAY ON TEST: 418

DOSE: 0.70 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Islets, Pancreatic | * Kidney | * Liver | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Trachea | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | | |
|-----------------------------|----------------|-------------------------|-------------------|
| * Clitoral Gland | | Squamous Cell Papilloma | |
| [Squamous Cell Papilloma | TGLs = 1-7A] | | |
| * Harderian Gland | | Inflammation | Mild |
| * Intestine Small, Jejunum | | Keratin Cyst | |
| [Keratin Cyst | TGLs = 2-11A] | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Ovary | | Atrophy | Mild |
| * Peripheral Nerve, Sciatic | Axon | Degeneration | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Spinal Cord, Cervical | | Cyst | |
| [Cyst | TGLs = 3-5A] | | |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH - Clitoral Gland Squamous Cell Papilloma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2221

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* 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	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Inflammation	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Granuloma	Mild
	Bile Duct	Hyperplasia	Mild
	[Basophilic Focus TGLs = 4-3]		
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Moderate
	[Degeneration TGLs = 2-10+10A]		
	[Infiltration Cellular TGLs = 2-10+10A]		
* Mammary Gland		Fibroadenoma	
		Lactation	Minimal
	[Fibroadenoma TGLs = 1-2A]		
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 6-9A]		
* Skin		Squamous Cell Papilloma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2221

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702221

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Papilloma	TGLs = 5-2B]		
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Thymus		Atrophy	Moderate
* Uterus	Cervix, Muscularis	Hypertrophy	Moderate
[Hypertrophy	TGLs = 3-7A]		

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2222

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* 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, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Brain, Brain Stem	Hypothalamus	Compression	Mild
[Compression TGLs = 3-1A]			
* Clitoral Gland		Carcinoma	
[Carcinoma TGLs = 1-7B]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Granuloma	Minimal
		Vacuolization Cytoplasmic	Mild
[Vacuolization Cytoplasmic TGLs = 6-3]			
Lymph Node	Renal	Hemorrhage	Mild
	Renal	Hyperplasia	Lymphoid, Mild
[Hemorrhage TGLs = 5-17A]			
[Hyperplasia TGLs = 5-17A]			
* Mammary Gland	Alveolus	Fibroadenoma	
		Hyperplasia	Mild
		Lactation	Moderate
Note: Fibroadenoma is located on slide 7B			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 2-17]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2222

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702222

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 4-9A]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2231

TRT#: 9

SEX: Female

DAY ON TEST: 522

DOSE: 0.0875 ACRYL

DISP: Natural Death

HISTO: 021500702231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mesenteric |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|--|---------------|----------------------------|-----------------------|
| * Bone, Femur | | Osteopetrosis | Moderate |
| * Bone Marrow | | Atrophy | Moderate |
| * Kidney | | Mineralization | Mild |
| * Liver | Left Lat Lobe | Developmental Malformation | |
| | | Histiocytic Sarcoma | |
| Note: TGL 3 also located on slide 3A with Liver TGL 4
[Developmental Malformation TGLs = 4-3A]
[Histiocytic Sarcoma TGLs = 3-3+3A] | | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Moderate |
| * Mammary Gland | | Lactation | Mild |
| Mesentery | | | |
| Note: Mesentery, Histiocytic sarcoma, located on slide 11
Note: Mesentery, Necrosis, moderate, fat, located on slide 11 | | | |
| * Nose | | Osteopetrosis | Moderate |
| * Ovary | | Cyst | |
| | | Histiocytic Sarcoma | |
| Note: Cyst is a bursal cyst.
[Cyst TGLs = 1-7] | | | |
| * Pancreas | | Histiocytic Sarcoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2231

TRT#: 9

SEX: Female

DAY ON TEST: 522

DOSE: 0.0875 ACRYL

DISP: Natural Death

HISTO: 021500702231

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid GI

Note: RC attempted

* Pituitary Gland

Pars Distalis

Hyperplasia

Mild

[Hyperplasia TGLs = 5-9A]

* Spleen

Hematopoietic Cell Proliferation

Mild

[Hematopoietic Cell Proliferation TGLs = 2-9]

* Thymus

Atrophy

Moderate

* Uterus

Histiocytic Sarcoma

PRIMARY CAUSE OF DEATH

- Liver Histiocytic Sarcoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2232

TRT#: 9

SEX: Female

DAY ON TEST: 526

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Cerebellum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|---|---------------|------------------------------------|----------|
| * Brain, Brain Stem
[Compression TGLs = 3-1] | Hypothalamus | Compression | Moderate |
| * Brain, Cerebrum | Ventricle | Dilatation | Mild |
| * Clitoral Gland | | Inflammation | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Mild |
| | | Nephropathy | Mild |
| * Liver
[Eosinophilic Focus TGLs = 1,2-3+3A]
[Inflammation TGLs = 2-3A] | | Eosinophilic Focus
Inflammation | Mild |
| * Mammary Gland | Alveolus | Hyperplasia | Moderate |
| | | Lactation | Moderate |
| * Ovary | | Atrophy | Mild |
| * Pancreas | Acinar Cell | Atrophy | Minimal |
| * Pituitary Gland
[Adenoma TGLs = 4-9A] | Pars Distalis | Adenoma | |
| * Spleen | | Pigmentation | Mild |
| * Thymus | | Atrophy | Mild |

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2241

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* 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, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Clitoral Gland		Inflammation	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
* Liver		Nephropathy	Mild
	Bile Duct	Basophilic Focus	Multiple
	[Basophilic Focus TGLs = 2-3]	Hyperplasia	Minimal
* Lung			
	Note: TGL 3 - NCL		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-2A]	Lactation	Mild
* Ovary		Atrophy	Mild
		Cyst	
* Pancreas	Acinar Cell	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4-9]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2241

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702241

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2242

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
		Inflammation	Moderate
	[Adenoma TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
		Regeneration	Marked
	[Leukemia Mononuclear TGLs = 6-3]		
	[Regeneration TGLs = 7,8,9,10,11-3A+3B+3C+3D+3E]		
* Lung			
	Note: TGL 4 - NCL		
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
	[Fibroadenoma TGLs = 2,12-2A+2B]		
* Nose		Inflammation	Minimal
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2242

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702242

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Leukemia Mononuclear Adenoma	
[Adenoma TGLs = 5-9]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 3-9]			
* Thymus		Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2251

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* 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	* Skeletal Muscle
* Skin	* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland	Duct	Ectasia	Moderate
		Inflammation	Moderate
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	[Basophilic Focus TGLs = 3-3]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 4-4A]		
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Moderate
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5,6-9A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Stom Forestom			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2251

TRT#: 9

SEX: Female

DAY ON TEST: 737

DOSE: 0.0875 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702251

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 7 - NCL

* Thymus

* Uterus

Endometrium

Atrophy

Adenoma

Polyp Stromal

Mild

[Polyp Stromal TGLs = 2-7A]

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2252

TRT#: 9

SEX: Female

DAY ON TEST: 693

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland	Duct	Ectasia	Moderate
		Inflammation	Mild
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-3]		
* Lung		Granuloma	Mild
	[Granuloma TGLs = 6-4A]	Leukemia Mononuclear	
* Mammary Gland		Galactocele	
	Alveolus	Hyperplasia	Moderate
		Lactation	Moderate
	[Galactocele TGLs = 1-2A]		
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 7-9A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2252

TRT#: 9

SEX: Female

DAY ON TEST: 693

DOSE: 0.0875 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702252

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 3,4-9]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
Vagina		Inflammation	Mild
	Mucocyte	Metaplasia	Moderate
[Inflammation TGLs = 2-17]			
[Metaplasia TGLs = 2-17]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2311

TRT#: 7

SEX: Female

DAY ON TEST: 716

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* 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	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Bone, Femur		Osteopetrosis	Moderate
* Eye	Retina	Degeneration	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Granuloma	Mild
Note: TGL 4 - NCL			
* Mammary Gland		Adenocarcinoma	
		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Adenocarcinoma TGLs = 1-2A]			
[Fibroadenoma TGLs = 2-2B]			
* Nose		Osteopetrosis	Mild
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 3-9A]			
* Skin			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2311

TRT#: 7

SEX: Female

DAY ON TEST: 716

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702311

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 1 - Noted grossly as Skin was Mammary gland

* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Adenocarcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2312

TRT#: 7

SEX: Female

DAY ON TEST: 564

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Esophagus	* Eye
* 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	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Brain, Cerebrum		Astrocytoma Nos	
* Clitoral Gland		Adenoma	
[Adenoma TGLs = 2-7]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
Note: WT requested for TGL 6 located on slide 3C			
[Eosinophilic Focus TGLs = 4,5,6-3+3A+3C]			
Lymph Node			
Note: TGL 3 - Noted grossly as Lymph node, pancreatic was Pancreas			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLs = 1-2A]			
* Ovary		Atrophy	Mild
* Pancreas		Accessory Spleen	
Note: Located on slide 17			
[Accessory Spleen TGLs = 3-17]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 7-9]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2312

TRT#: 7

SEX: Female

DAY ON TEST: 564

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702312

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2321

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mesenteric | * Nose | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|--|----------|-----------------------|---------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 6-9] | | | |
| * Bone, Femur | | Osteopetrosis | Moderate |
| * Clitoral Gland | | Inflammation | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 9,10,11,12-3A+3B+3C+3D] | | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Mammary Gland | | Adenocarcinoma | |
| | | Fibroadenoma | |
| | | Galactocele | |
| | Alveolus | Hyperplasia | Mild |
| | | Lactation | Mild |
| [Adenocarcinoma TGLs = 4-2D] | | | |
| [Fibroadenoma TGLs = 2,3,13-2B+2C+2E] | | | |
| [Galactocele TGLs = 1-2A] | | | |
| Mesentery | Fat | Necrosis | Marked |
| [Necrosis TGLs = 7-17] | | | |
| * Ovary | | Atrophy | Marked |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2321

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702321

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 8-9]			
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 5-9A]			
* Thymus		Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2322

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702322

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Brain, Cerebrum | * Clitoral Gland | * Esophagus |
| * Eye | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---------------------|---|-------------------------|---------------------|
| * Adrenal Cortex | | Angiectasis | Moderate |
| | | Hypertrophy | Focal, Moderate |
| * Brain, Brain Stem | Hypothalamus | Compression | Mild |
| | [Compression TGLs = 6-1A] | | |
| * Clitoral Gl | | | |
| | Note: TGL 1 - Noted grossly as Clitoral gland was Mammary Gland | | |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | [Basophilic Focus TGLs = 4-3] | Granuloma | Mild |
| * Lung | | Granuloma | Mild |
| * Mammary Gland | | Fibroadenoma | |
| | Alveolus | Hyperplasia | Mild |
| | [Fibroadenoma TGLs = 1,2-7+2A] | Lactation | Mild |
| Oral Mucosa | | Squamous Cell Papilloma | |
| | [Squamous Cell Papilloma TGLs = 7-17] | | |
| * Ovary | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2322

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702322

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 5-9]			
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLs = 3-7A]			

Animal Note: TGL 7 - Noted grossly as Cavity, oral was Oral mucosa

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2331

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* 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
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Thoracic	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Bone, Femur		Osteopetrosis	Moderate
* Clitoral Gland	Duct	Ectasia	Moderate
		Inflammation	Mild
	[Ectasia TGLs = 1-7B]		
	[Inflammation TGLs = 1-7B]		
* Eye	Retina	Degeneration	Minimal
* Harderian Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
	Left Lat Lobe	Developmental Malformation	
	[Developmental Malformation TGLs = 4-3A]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lym Node Mesen			
Note: TGL 6 - NCL			
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
	[Fibroadenoma TGLs = 2,3-2A+2B]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2331

TRT#: 7

SEX: Female

DAY ON TEST: 737

DOSE: 0.35 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702331

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Osteopetrosis	Mild
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 5-9A]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Thymus		Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2332

TRT#: 7

SEX: Female

DAY ON TEST: 535

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Clitoral Gland		Inflammation	Moderate
[Inflammation TGLs = 1-7+7B]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver			
Note: TGL 5 - NCL			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLs = 6-4]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Ovary		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLs = 4-9A]			
* Thymus		Atrophy	Mild
* Urinary Bladder		Dilatation	Mild
[Dilatation TGLs = 2-8]			
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2332

TRT#: 7

SEX: Female

DAY ON TEST: 535

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702332

ORGAN AND ACCOUNTABLE SITE STATUS

Prolapse

Note: Stromal polyp noted grossly as Uterus, cervix was in the Uterus with prolapse through Cervix.

[Polyp Stromal TGLs = 3-7C]

PRIMARY CAUSE OF DEATH

- Uterus Polyp Stromal

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2341

TRT#: 7

SEX: Female

DAY ON TEST: 702

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * 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 | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|--------------------------|---------------|-------------------------|---|
| * Clitoral Gland | Duct | Ectasia
Inflammation | Mild
Mild |
| | | | [Ectasia TGLs = 1-7]
[Inflammation TGLs = 1-7] |
| * Eye | Retina | Degeneration | Mild |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Mild |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Mineralization | Mild |
| | | Nephropathy | Minimal |
| * Liver | | Leukemia Mononuclear | |
| | | | [Leukemia Mononuclear TGLs = 6,7,9-3] |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Mammary Gland | | Fibroadenoma | |
| | Alveolus | Hyperplasia | Moderate |
| | | Lactation | Minimal |
| | | | [Fibroadenoma TGLs = 2-2A] |
| * Nose | | Inflammation | Mild |
| * Ovary | | Leukemia Mononuclear | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Cyst | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2341

TRT#: 7

SEX: Female

DAY ON TEST: 702

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702341

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 8-9C]

* Spinal Cord, Cervical

Leukemia Mononuclear

* Spinal Cord, Lumbar

Leukemia Mononuclear

* Spinal Cord, Thoracic

Axon

Degeneration

Minimal

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 3,4,5-9+9A+9B]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2342

TRT#: 7

SEX: Female

DAY ON TEST: 501

DOSE: 0.35 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum |
| * Esophagus | * Eye | * 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 |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|---|---------------|-----------------------|------------------|
| * Clitoral Gland | | Inflammation | Minimal |
| Note: TGL 1 - Noted grossly as Clitoral gland was Mammary gland | | | |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Mild |
| * Kidney | | Mineralization | Mild |
| | | Nephropathy | Minimal |
| * Liver | | Granuloma | Mild |
| Note: TGL 3 - NCL | | | |
| Note: TGL 4 - NCL | | | |
| Note: TGL 5 - NCL | | | |
| Note: TGL 6 - NCL | | | |
| * Mammary Gland | | Fibroadenoma | |
| | | Lactation | Minimal |
| [Fibroadenoma TGLs = 1-7] | | | |
| * Ovary | | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLs = 2-9] | | | |
| * Thymus | | Atrophy | Mild |

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2391

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|-------------------|--|------------------------------|---------------------|
| * Adrenal Cortex | | Angiectasis | Mild |
| * Clitoral Gland | | Inflammation | Moderate |
| | [Inflammation TGLs = 1,7-7] | | |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Mineralization | Mild |
| | | Nephropathy | Moderate |
| * Liver | | Angiectasis | Mild |
| | | Basophilic Focus | Multiple |
| | [Basophilic Focus TGLs = 5-3A] | | |
| | [Eosinophilic Focus TGLs = 2-3] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | [Alveolar/Bronchiolar Adenoma TGLs = 3-4A] | | |
| | [Infiltration Cellular TGLs = 6-4B] | | |
| * Mammary Gland | Alveolus | Hyperplasia | Minimal |
| | | Lactation | Mild |
| * Ovary | | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 4-9] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2391

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702391

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2392

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Leukemia Mononuclear	
* Clitoral Gland	Duct	Ectasia	Mild
		Inflammation	Minimal
Note: TGL 7 - NCL			
Note: One Clitoral gland is normal the other has slightly dilated duct. Impossible to distinguish right from left.			
[Ectasia TGLs = 2-7]			
* Eye	Retina	Degeneration	Mild
	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Leukemia Mononuclear	
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5,6-3+3A]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland	Alveolus	Hyperplasia	Minimal
		Lactation	Minimal
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2392

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702392

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Mild
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 3,4-9A]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2401

TRT#: 8

SEX: Female

DAY ON TEST: 677

DOSE: 0.175 ACRYL

DISP: Natural Death

HISTO: 021500702401

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	Lymph Node
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Clitoral Gland

AUTO PRECLUDES DIAG.

* Eye

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Brain, Brain Stem	Hypothalamus	Hypertrophy	Focal, Moderate
[Compression TGLs = 3-1A]		Compression	Mild
* Clitoral GI			
Note: TGL 1 - Noted grossly as Clitoral gland was Mammary gland			
Note: No RC per pathologist			
Note: Clitoral gland was obliterated by the large Mammary gland tumor.			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
[Nephropathy TGLs = 6-8]		Nephropathy	Marked
* Liver	Hepatocyte	Hyperplasia	Moderate
[Necrosis TGLs = 2-3]		Necrosis	Coagulative, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2401

TRT#: 8

SEX: Female

DAY ON TEST: 677

DOSE: 0.175 ACRYL

DISP: Natural Death

HISTO: 021500702401

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node

Note: TGL 5 - NCL (Lymph node, mediastinal)

* Lymph Node, Mesenteric

Leukemia Mononuclear

* Mammary Gland

Fibroadenoma

Alveolus

Hyperplasia

Moderate

Lactation

Mild

[Fibroadenoma TGLs = 1-7]

* Ovary

Atrophy

Moderate

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLs = 4-9A]

* Spinal Cord, Lumbar

Nerve

Degeneration

Minimal

* Spleen

Leukemia Mononuclear

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2402

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702402

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Eye	Retina	Degeneration	Moderate
	[Phthisis Bulbi TGLs = 5-13A]	Phthisis Bulbi	
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
	[Basophilic Focus TGLs = 3-3]	Eosinophilic Focus	
	[Eosinophilic Focus TGLs = 7-3A]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Mild
	[Infiltration Cellular TGLs = 4-4A]		
* Mammary Gland		Fibroadenoma	
		Galactocele	
		Lactation	Mild
	[Fibroadenoma TGLs = 1-2A]		
	[Galactocele TGLs = 1-2A]		
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2402

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 0.175 ACRYL

DISP: Terminal Sacrifice

HISTO: 021500702402

ORGAN AND ACCOUNTABLE SITE STATUS

Cyst

[Cyst TGLs = 2-7]

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLs = 6-9]

* Thymus

Atrophy

Mild

Cyst

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2411

TRT#: 8

SEX: Female

DAY ON TEST: 564

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702411

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spinal Cord, Thoracic
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone, Femur		Osteopetrosis	Moderate
* Bone Marrow		Atrophy	Minimal
* Brain, Brain Stem		Hemorrhage	Moderate
	[Hemorrhage TGLs = 15-1A]		
* Brain, Cerebellum		Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Minimal
* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum		Leukemia Mononuclear	
	Note: TGL 7 is located on slide 12C not 12B		
	[Leukemia Mononuclear TGLs = 7-12C]		
* Intestine Small, Ileum		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8-12]		
* Kidney		Mineralization	Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 11-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-10B]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2411

TRT#: 8

SEX: Female

DAY ON TEST: 564

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702411

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear	TGLs = 12-10C]		
[Leukemia Mononuclear	TGLs = 10-17A]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 1-10+10A]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 14-11]		
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Marked
		Lactation	Marked
[Fibroadenoma	TGLs = 18-2A]		
Mesentery		Leukemia Mononuclear	
Note: TGL 16 - Noted grossly as Mesentery was Tissue NOS			
[Leukemia Mononuclear	TGLs = 9-17]		
* Nose		Osteopetrosis	Moderate
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
[Hyperplasia	TGLs = 13-9A]		
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 2-9B]		
* Stomach, Forestomach		Hyperplasia	Moderate
		Inflammation	Moderate
[Hyperplasia	TGLs = 6-12A]		
[Inflammation	TGLs = 6-12A]		
* Stomach, Glandular		Inflammation	Mild
Note: TGL 17 is located on slide 12B not 12C			
[Inflammation	TGLs = 17-12B]		
* Thymus			
Note: No RC per pathologist			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tissue NOS	Fat	Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 16-17B]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2411

TRT#: 8

SEX: Female

DAY ON TEST: 564

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702411

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Horn

Dilatation

Mild

Cervix, Mucocyte

Metaplasia

Marked

[Dilatation TGLs = 4-7A]

[Metaplasia TGLs = 5-7A]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2412

TRT#: 8

SEX: Female

DAY ON TEST: 709

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702412

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|---|--------------|------------------|-------------|
| * Adrenal Cortex | | Hypertrophy | Focal, Mild |
| * Brain, Brain Stem | Hypothalamus | Compression | Moderate |
| [Compression TGLs = 9-1A] | | | |
| * Clitoral Gland | | Adenoma | |
| [Adenoma TGLs = 1-7] | | Inflammation | Mild |
| * Kidney | | Mineralization | Moderate |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| Note: TGL 6 - NCL | | Granuloma | Mild |
| Note: TGL 7 - NCL | | | |
| * Mammary Gland | | Fibroadenoma | |
| | | Galactocele | |
| | Alveolus | Hyperplasia | Mild |
| [Fibroadenoma TGLs = 2,3,12-2A+2B+2D] | | Lactation | Mild |
| [Galactocele TGLs = 11-2C] | | | |
| Mesentery | Fat | Necrosis | Moderate |
| [Necrosis TGLs = 5-17] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2412

TRT#: 8

SEX: Female

DAY ON TEST: 709

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702412

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 10-9A]		
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Thymus		Atrophy	Moderate
* Thyroid GI			
	Note: TGL 8 - NCL		
* Uterus		Sarcoma Stromal	
	[Sarcoma Stromal TGLs = 4-7A+7B]		

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2421

TRT#: 8

SEX: Female

DAY ON TEST: 618

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702421

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy Vacuolization Cytoplasmic	Focal, Marked Marked
	[Hypertrophy TGLs = 6-9] [Vacuolization Cytoplasmic TGLs = 6-9]		
* Brain, Brain Stem	Hypothalamus	Compression	Mild
	[Compression TGLs = 9-1A]		
* Clitoral Gland		Inflammation	Marked
	[Inflammation TGLs = 1-7B]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-3]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma Galactocele Inflammation	Moderate
	[Fibroadenoma TGLs = 2,10-2A+2C] [Galactocele TGLs = 2,3-2A+2B]		
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2421

TRT#: 8

SEX: Female

DAY ON TEST: 618

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702421

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 8-9B]

* Spinal Cord, Lumbar

Nerve

Degeneration

Minimal

* Spleen

Accessory Spleen

Leukemia Mononuclear

[Accessory Spleen TGLs = 5-9A]

[Leukemia Mononuclear TGLs = 4-9]

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

- Clitoral Gland Inflammation

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

- Spleen Leukemia Mononuclear

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2422

TRT#: 8

SEX: Female

DAY ON TEST: 670

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702422

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Carcinoma	
	[Carcinoma TGLs = 1-7]		
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
	Note: TGL 3 - NCL		
* Liver		Basophilic Focus	Multiple
	Left Lat Lobe	Developmental Malformation	
		Leukemia Mononuclear	
	Note: TGL 4 - NCL		
	Note: TGL 7 - NCL		
	Note: TGL 8 - NCL		
	Note: TGL 9 - NCL		
	[Developmental Malformation TGLs = 6-3B]		
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5-9A]		
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2422

TRT#: 8

SEX: Female

DAY ON TEST: 670

DOSE: 0.175 ACRYL

DISP: Moribund Sacrifice

HISTO: 021500702422

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 2-9]

* Thymus

Atrophy

Mild

* Uterus

Polyp Stromal

Multiple

PRIMARY CAUSE OF DEATH

- Clitoral Gland Carcinoma

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2471

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* 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
* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord, Lumbar	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland	Duct	Ectasia	Moderate
		Inflammation	Moderate
	[Ectasia TGLs = 1-7]		
	[Inflammation TGLs = 1-7]		
* Eye	Retina	Degeneration	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Granuloma	Minimal
	[Basophilic Focus TGLs = 3-3]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Mild
	[Hyperplasia TGLs = 4-4A]		
	[Inflammation TGLs = 4-4A]		
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Ovary		Cyst	
		Infiltration Cellular	Lymphocyte, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2471

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702471

ORGAN AND ACCOUNTABLE SITE STATUS

Infiltration Cellular

Histiocyte, Moderate

[Cyst TGLs = 2-7]

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLs = 5-9A]

* Spinal Cord, Cervical

Axon

Degeneration

Minimal

* Spinal Cord, Thoracic

Axon

Degeneration

Minimal

* Thymus

Atrophy

Mild

* Thyroid Gland

C Cell

Hyperplasia

Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2472

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702472

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Esophagus |
| * Eye | * 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 |
| * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|-------------------|--|-----------------------------|---------------------|
| * Adrenal Cortex | | Angiectasis | Mild |
| * Clitoral Gland | | Adenoma | |
| | | Inflammation | Moderate |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Eosinophilic Focus | |
| | | Granuloma | Minimal |
| | | Vacuolization Cytoplasmic | Mild |
| Note: TGL 4 - NCL | | | |
| | [Eosinophilic Focus TGLs = 2-3A] | | |
| | [Vacuolization Cytoplasmic TGLs = 3-3] | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 1-2A] | | |
| * Ovary | | Granulosa Cell Tumor Benign | |
| * Pancreas | Acinar Cell | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 5-9A] | | |
| * Thymus | | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2472

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702472

ORGAN AND ACCOUNTABLE SITE STATUS

Hemorrhage

Mild

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2481

TRT#: 10

SEX: Female

DAY ON TEST: 463

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500702481

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone Marrow		Atrophy	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-3]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-10A]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland	Alveolus	Hyperplasia	Moderate
* Ovary		Atrophy	Mild
* Pancreas			
	Note: TGL 2 - Noted grossly as Pancreas was Lymph node, pancreatic		
* Pituitary Gland			
	Note: TGL 4 - NCL		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-9A]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2482

TRT#: 10

SEX: Female

DAY ON TEST: 677

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500702482

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Cerebellum |
| * Brain, Cerebrum | * Esophagus | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|---------------------|--|----------------------------|----------------------|
| * Adrenal Cortex | | Atrophy | Moderate |
| * Adrenal Medulla | | Pheochromocytoma Malignant | |
| * Brain, Brain Stem | | Gliosis | Focal, Minimal |
| * Clitoral Gland | | Adenoma | |
| | [Adenoma TGLs = 1-7B] | | |
| * Eye | Retina | Degeneration | Minimal |
| * Heart | | Mineralization | Mild |
| | Atrium | Thrombosis | |
| * Kidney | | Mineralization | Moderate |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | Bile Duct | Hyperplasia | Mild |
| | Centrilobular | Necrosis | Mild |
| | [Necrosis TGLs = 5-3] | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Moderate |
| | Note: Macrophages and pigments suggesting heart failure. | | |
| | [Infiltration Cellular TGLs = 6-4] | | |
| Lymph Node | Medulla, Pancreatic, Sinus | Dilatation | Moderate |
| | Mediastinal | Pigmentation | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2482

TRT#: 10

SEX: Female

DAY ON TEST: 677

DOSE: CONTROL WATER

DISP: Moribund Sacrifice

HISTO: 021500702482

ORGAN AND ACCOUNTABLE SITE STATUS

[Dilatation TGLs = 2-17]			
[Pigmentation TGLs = 7-17B]			
* Mammary Gland	Alveolus	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLs = 3-17A]			
* Nose		Inflammation	Moderate
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Nervosa	Cyst	
[Cyst TGLs = 8-9]			
[Cyst TGLs = 8-9]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus			

Note: No RC per pathologist

PRIMARY CAUSE OF DEATH - Heart Atrium Thrombosis

CONTRIBUTORY CAUSE OF DEATH - Liver Centrilobular Necrosis

Animal Note: TGL 4 - NST (Cavity, thoracic, fluid)

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2491

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702491

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Cerebellum | * Brain, Cerebrum | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---------------------|--|----------------------------|----------|
| * Adrenal Cortex | | Angiectasis | Moderate |
| * Brain, Brain Stem | Hypothalamus | Compression | Mild |
| | [Compression TGLs = 5-1A] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Mild |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | | Eosinophilic Focus | |
| | Bile Duct | Hepatodiaphragmatic Nodule | |
| | | Hyperplasia | Minimal |
| Note: TGL 8 - NCL | | | |
| | [Eosinophilic Focus TGLs = 6-3A] | | |
| | [Hepatodiaphragmatic Nodule TGLs = 7-3A] | | |
| * Mammary Gland | | Adenocarcinoma | |
| | | Fibroadenoma | |
| | Alveolus | Hyperplasia | Moderate |
| | | Lactation | Mild |
| | [Fibroadenoma TGLs = 2,3-2B+2C] | | |
| | [Hyperplasia TGLs = 1-2A] | | |
| * Nose | | Inflammation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2491

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702491

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 4-9]			
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2492

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702492

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Inflammation	Mild
* Heart		Infiltration Cellular	Lymphocyte, Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Granuloma	Mild
	Bile Duct	Hyperplasia	Minimal
	[Granuloma TGLs = 2-3]		
* Lung		Granuloma	Minimal
* Mammary Gland		Lactation	Minimal
* Ovary		Granulosa Cell Tumor Benign	
	[Granulosa Cell Tumor Benign TGLs = 1-7]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Spinal Cord, Lumbar	Nerve	Degeneration	Minimal
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2501

TRT#: 10

SEX: Female

DAY ON TEST: 583

DOSE: CONTROL WATER

DISP: Natural Death

HISTO: 021500702501

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2,3-3+3A]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-9A]		
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 07/28/2016
 Time Report Requested: 15:26:50
 First Dose M/F: 05/30/05 / 05/30/05
 Lab: NCTR

ANIMAL ID: 2502

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702502

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Focal, Mild
* Bone, Femur		Osteopetrosis	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	[Basophilic Focus TGLs = 2-3]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 3-4]		
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Minimal
		Lactation	Minimal
	[Fibroadenoma TGLs = 1-2A]		
* Nose		Inflammation	Mild
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spinal Cord, Cervical	Axon	Degeneration	Minimal
* Spinal Cord, Lumbar	Axon	Degeneration	Minimal
* Spinal Cord, Thoracic	Axon	Degeneration	Minimal
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20313 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Acrylamide
CAS Number: 79-06-1

Date Report Requested: 07/28/2016
Time Report Requested: 15:26:50
First Dose M/F: 05/30/05 / 05/30/05
Lab: NCTR

ANIMAL ID: 2502

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL WATER

DISP: Terminal Sacrifice

HISTO: 021500702502

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Mild

*** END OF REPORT ***