

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:41
First Dose M/F: NA / NA
Lab: NCTR

C Number: MG96006
Lock Date: 12/02/2008
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date NONE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:41

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 4	TRT#: 9	SEX: Male	DAY ON TEST: 146
	DOSE: F1 2PPB	DISP: Natural Death	HISTO: 021380300004

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------------|--------------------------|-------------------|-------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Epididymis |
| * Esophagus | * Heart | * Mammary Gland | * Pituitary Gland |
| * Prostate, Dorsal/lateral Lobe | * Prostate, Ventral Lobe | * Rete Testes | * Salivary Glands |
| * Skin | * Testes | * Trachea | |

MISSING

- * Parathyroid Gland

AUTO PRECLUDES DIAG.

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone Marrow | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Liver |
| * Lung | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Seminal Vesicle | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Urinary Bladder | |

OBSERVATIONS

- | | | |
|-------------------------------------------------------------------|----------------------------|-----------------------|
| * Coagulating Gland
[Developmental Malformation TGLS = 1-2A] | Developmental Malformation | |
| * Lymph Node, Mandibular | Infiltration Cellular | Plasma Cell, Mild |
| * Parathyroid Gl
Note: Recut attempted | | |
| * Preputial Gland | Inflammation | Suppurative, Moderate |

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:41

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 5	TRT#: 9	SEX: Male	DAY ON TEST: 198
	DOSE: F1 2PPB	DISP: Natural Death	HISTO: 021380300005

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 | * Lung | * Lymph Node, Mandibular | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Prostate, Dorsal/lateral Lobe | * Prostate, Ventral Lobe | * Rete Testes | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--------------------------------------------|--------|----------------------------|---------------------|
| * Coagulating Gland | | Developmental Malformation | |
| [Developmental Malformation TGLS = 1-2A] | | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Lymph Node, Mesenteric | | Inflammation | Granulomatous, Mild |
| * Mammary Gland | Acinus | Degeneration | Minimal |

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:41
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 7	TRT#: 13	SEX: Male	DAY ON TEST: 219
	DOSE: F1/10PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Parathyroid Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe
* Rete Testes	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Lymphoma Malignant
* Epididymis		Lymphoma Malignant
* Eye		Lymphoma Malignant
* Harderian Gland		Lymphoma Malignant
* Kidney		Lymphoma Malignant
* Liver		Lymphoma Malignant
[Lymphoma Malignant TGLS = 8-9]		
* Lung		Lymphoma Malignant
Lymph Node	Axillary	Lymphoma Malignant
	Deep Cervical	Lymphoma Malignant
	Inguinal	Lymphoma Malignant
	Lumbar	Lymphoma Malignant
	Mediastinal	Lymphoma Malignant
	Renal	Lymphoma Malignant
[Lymphoma Malignant TGLS = 11-15E]		
[Lymphoma Malignant TGLS = 3-15]		
[Lymphoma Malignant TGLS = 7-15B]		
[Lymphoma Malignant TGLS = 9-15C]		
[Lymphoma Malignant TGLS = 10-15D]		
[Lymphoma Malignant TGLS = 4-15A]		
* Lymph Node, Mandibular		Lymphoma Malignant
[Lymphoma Malignant TGLS = 5-4]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:41
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 7	TRT#: 13	SEX: Male	DAY ON TEST: 219
	DOSE: F1/10PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300007

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Lymphoma Malignant	
* Mammary Gland		Lymphoma Malignant	
* Nose		Lymphoma Malignant	
* Pancreas		Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Cyst	
		Lymphoma Malignant	
* Preputial Gland		Lymphoma Malignant	
	[Lymphoma Malignant TGLS = 2-2B]		
* Salivary Glands		Lymphoma Malignant	
* Skin		Hyperkeratosis	Mild
	[Hyperkeratosis TGLS = 1-6A]	Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLS = 6-9]		
* Testes		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
* Thyroid Gland		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:41
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 12	TRT#: 11	SEX: Male	DAY ON TEST: 233
	DOSE: F1 50PPB	DISP: Natural Death	HISTO: 021380300012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate, Dorsal/lateral Lobe	* Rete Testes	* Salivary Glands
* Skin	* Testes	* Trachea	

AUTO PRECLUDES DIAG.

* Bone Marrow	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

OBSERVATIONS

* Eye Note: TGL 3 - NCL			
* Heart Note: TGL 2 - NCL		Cardiomyopathy	Minimal
* Preputial GI Note: TGL 1 - NCL			
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:41
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 13

TRT#: 13

SEX: Male

DAY ON TEST: 241

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Mammary Gland	* Parathyroid Gland	* Prostate, Dorsal/lateral Lobe
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea

AUTO PRECLUDES DIAG.

* Heart	* Urinary Bladder
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OBSERVATIONS

* Bone Marrow		Lymphoma Malignant	
* Eye		Lymphoma Malignant	
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	
		Lymphoma Malignant	
	[Cyst TGLS = 2-11]		
* Liver		Lymphoma Malignant	
	[Lymphoma Malignant TGLS = 1-9]		
* Lung		Infiltration Cellular	Histiocyte, Mild
		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Nose		Lymphoma Malignant	
* Pancreas	Acinar Cell	Degeneration	Mild
		Lymphoma Malignant	
* Pituitary Gland		Lymphoma Malignant	
* Preputial Gland	Duct	Dilatation	Moderate
* Spleen		Lymphoma Malignant	
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:41
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 13

TRT#: 13

SEX: Male

DAY ON TEST: 241

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300013

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Cyst

Squamous

PRIMARY CAUSE OF DEATH

- Liver Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:41
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 16

TRT#: 11

SEX: Male

DAY ON TEST: 258

DOSE: F1 50PPB

DISP: Natural Death

HISTO: 021380300016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis
* Islets, Pancreatic	* Liver	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Rete Testes	* Salivary Glands
* Skin	* Testes	* Thyroid Gland	* Trachea

AUTO PRECLUDES DIAG.

* Bone Marrow	* 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
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	

OBSERVATIONS

* Coagulating Gland		Inflammation	Suppurative, Marked
* Esophagus		Hyperkeratosis	Mild
* Heart		Inflammation	Suppurative, Moderate
[Inflammation TGLS = 1-6]			
* Kidney	Pelvis	Inflammation	Suppurative, Moderate
* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Marked
[Inflammation TGLS = 4-2]			
* Prostate, Ventral Lobe		Inflammation	Suppurative, Moderate
* Seminal Vesicle		Inflammation	Suppurative, Marked
[Inflammation TGLS = 3-2A]			
* Spleen		Depletion Lymphoid	Marked
		Pigmentation	Moderate
* Urinary Bladder		Hemorrhage	Mild
		Inflammation	Suppurative, Moderate
[Hemorrhage TGLS = 2-11]			
[Inflammation TGLS = 2-11]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:41

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 16

TRT#: 11

SEX: Male

DAY ON TEST: 258

DOSE: F1 50PPB

DISP: Natural Death

HISTO: 021380300016

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH - Prostate;Dorsal/Lateral Lobe Inflammation;Prostate;Ventral Lobe Inflammation

Animal Note: Pathologist noted cause of death as Septicemia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:41
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 31	TRT#: 8	SEX: Male	DAY ON TEST: 383
	DOSE: F1 0PPB	DISP: Natural Death	HISTO: 021380300031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis
* Esophagus	* Harderian Gland	* Heart	* Intestine Large, Colon
* Liver	* Lung	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate, Ventral Lobe
* Rete Testes	* Stomach, Forestomach	* Testes	* Trachea

AUTO PRECLUDES DIAG.

* Bone Marrow	* Coagulating Gland	* Eye	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Urinary Bladder

OBSERVATIONS

* Coagulat GI Note: TGL 2 - NCL			
* Mammary GI Note: TGL 1 - noted grossly as Mammary Gland is Skin			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Skin [Sarcoma TGLS = 1-6A]		Sarcoma	

PRIMARY CAUSE OF DEATH - Skin Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:41
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 32	TRT#: 13	SEX: Male	DAY ON TEST: 386
	DOSE: F1/10PPB TO CTL	DISP: Natural Death	HISTO: 021380300032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis
* Esophagus	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate, Ventral Lobe	* Rete Testes	* Skin
* Testes			

AUTO PRECLUDES DIAG.

* Bone Marrow	* Coagulating Gland	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart	Cardiomyopathy	Mild
* Lym Node Mand Note: TGL 1 - NCL		
* Prostate, Dorsal/Lateral Lobe	Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:41
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 33

TRT#: 9

SEX: Male

DAY ON TEST: 386

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Coagulating Gland	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Parathyroid Gland	* Prostate, Ventral Lobe
* Rete Testes	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Granulocytic
* Adrenal Medulla		Leukemia Granulocytic
* Bone Marrow		Leukemia Granulocytic
* Coagulat GI		
Note: TGL 8 - NCL		
* Eye		Leukemia Granulocytic
* Harderian Gland		Leukemia Granulocytic
* Heart		Leukemia Granulocytic
* Intestine Large, Colon		Leukemia Granulocytic
* Kidney		Leukemia Granulocytic
[Leukemia Granulocytic TGLS = 3-11+11A]		
* Liver		Leukemia Granulocytic
[Leukemia Granulocytic TGLS = 4-9]		
* Lung		Leukemia Granulocytic
[Leukemia Granulocytic TGLS = 6-10]		
Lymph Node	Pancreatic	Leukemia Granulocytic
Note: TGL 5 - noted grossly as Lymph Node, renal is Lymph Node, pancreatic		
[Leukemia Granulocytic TGLS = 5-15]		
* Lymph Node, Mandibular		Leukemia Granulocytic
[Leukemia Granulocytic TGLS = 1-4]		
* Lymph Node, Mesenteric		Leukemia Granulocytic
[Leukemia Granulocytic TGLS = 7-8]		
* Mammary Gland		Leukemia Granulocytic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

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Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:41
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 33	TRT#: 9	SEX: Male	DAY ON TEST: 386
	DOSE: F1 2PPB	DISP: Moribund Sacrifice	HISTO: 021380300033

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Leukemia Granulocytic
* Pancreas	Leukemia Granulocytic
* Pituitary Gland	Leukemia Granulocytic
* Preputial Gland	Leukemia Granulocytic
* Prostate, Dorsal/Lateral Lobe	Leukemia Granulocytic
* Salivary Glands	Leukemia Granulocytic
* Spleen	Leukemia Granulocytic
[Leukemia Granulocytic TGLS = 2-9]	
* Thymus	Leukemia Granulocytic
* Thyroid Gland	Leukemia Granulocytic
* Trachea	Leukemia Granulocytic

PRIMARY CAUSE OF DEATH - Liver Leukemia Granulocytic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:41
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 41	TRT#: 8	SEX: Male	DAY ON TEST: 413
	DOSE: F1 0PPB	DISP: Natural Death	HISTO: 021380300041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Epididymis	* Esophagus	* Harderian Gland
* Liver	* Nose	* Parathyroid Gland	* Prostate, Ventral Lobe
* Skin	* Spleen	* Thyroid Gland	* Trachea

AUTO PRECLUDES DIAG.

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Coagulating Gland
* 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	* Mammary Gland
* Pancreas	* Pituitary Gland	* Prostate, Dorsal/lateral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-2B]			

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:41
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 42

TRT#: 11

SEX: Male

DAY ON TEST: 417

DOSE: F1 50PPB

DISP: Moribund Sacrifice

HISTO: 021380300042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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	* Nose	* Parathyroid Gland	Peripheral Nerve
* Pituitary Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	Urethra		

AUTO PRECLUDES DIAG.

Spinal Cord

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
Perph Nerve			
Note: Removal observations indicated posterior paralysis. Tissue processed per NTP SOW.			
Note: Tissue located on slide 15A.			
* Preputial Gland		Inflammation	Suppurative, Mild
* Pros, Ven Lobe			
Note: TGL 1 - NCL			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
Skel Muscle			
Note: Tissue located on slide 15A.			
Note: Removal observations indicated posterior paralysis. Tissue processed per NTP SOW.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:41
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 42	TRT#: 11	SEX: Male	DAY ON TEST: 417
	DOSE: F1 50PPB	DISP: Moribund Sacrifice	HISTO: 021380300042

ORGAN AND ACCOUNTABLE SITE STATUS

Spinal Cord			
Note: Removal observations indicated posterior paralysis. Tissue processed per NTP SOW.			
Note: Tissue located on slide 15A.			
* Spleen		Pigmentation	Mild
Urethra			
Note: TGL 3 - NCL			
* Urinary Bladder		Hemorrhage	Moderate
	Transit Epithe	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
[Hemorrhage TGLS = 2-11]			

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: TGL 3 - noted grossly as Lymph Node, iliac is Urethra, bulbourethral gland

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:41
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 44

TRT#: 8

SEX: Male

DAY ON TEST: 443

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Epididymis	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Coagulating Gland Note: TGL 2 - NCL [Developmental Malformation TGLS = 1-2A]		Developmental Malformation	
* Esophagus		Dilatation	Marked
		Inflammation	Suppurative, Mild
* Heart		Cardiomyopathy	Mild
* Lung	Mediastinum	Hemorrhage	Marked
	Mediastinum	Inflammation	Suppurative, Marked
	Mediastinum	Necrosis	Marked
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Nose		Inflammation	Suppurative, Mild
* Preputial Gland		Inflammation	Suppurative, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Spleen		Depletion Lymphoid	Mild
		Infiltration Cellular	Polymorphnuclr, Moderate
		Pigmentation	Marked
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

CONTRIBUTORY CAUSE OF DEATH - Lung Mediastinum Inflammation;Lung Mediastinum Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:41
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 46

TRT#: 13

SEX: Male

DAY ON TEST: 454

DOSE: F1/10PPB TO CTL

DISP: Natural Death

HISTO: 021380300046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Epididymis	* Esophagus
* Parathyroid Gland	* Salivary Glands	* Skin	

MISSING

* Brain, Cerebellum	* Pituitary Gland		
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AUTO PRECLUDES DIAG.

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain, Brain Stem
* Brain, Cerebrum	* Coagulating Gland	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain Cerebell			
Note: No recut or wet tissue per pathologist			
* Heart		Cardiomyopathy	Mild
* Liver		Inflammation	Suppurative, Marked
		Necrosis	Marked
[Inflammation TGLS = 1-9]			
[Necrosis TGLS = 1-9]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Pituitary Gl			
Note: Missing at trim			
* Preputial Gland		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

- Liver Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:41
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 49

TRT#: 10

SEX: Male

DAY ON TEST: 467

DOSE: F1 10PPB

DISP: Natural Death

HISTO: 021380300049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Kidney	* Liver	* Lung	* Parathyroid Gland
* Pituitary Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Bone Marrow	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas
* Seminal Vesicle			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland	Acinus	Degeneration	Minimal
* Nose	Mucosa	Inflammation	Suppurative, Marked
		Keratin Cyst	
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Chronic Active, Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous

PRIMARY CAUSE OF DEATH

- Nose Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:41
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 50

TRT#: 14

SEX: Male

DAY ON TEST: 469

DOSE: F1/50PPB TO CTL

DISP: Natural Death

HISTO: 021380300050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Rectum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate, Ventral Lobe
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Rete Testes

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Bone Marrow	Erythroid Cell	Hyperplasia	Marked
* Liver		Hematopoietic Cell Proliferation	Minimal
* Nose		Inflammation	Suppurative, Mild
Note: Squamous cell carcinoma observed in the nasal turbinates is recorded as Squamous cell carcinoma, Oral Mucosa.			
Oral Mucosa		Squamous Cell Carcinoma	
Note: Located on slide 14 with the routine section of nasal turbinates.			
* Pancreas	Acinar Cell	Degeneration	Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Rete Testes			
Note: No recut or wet tissue attempt per pathologist			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Oral Mucosa Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:41
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 54 **TRT#:** 8 **SEX:** Male **DAY ON TEST:** 478
DOSE: F1 0PPB **DISP:** Natural Death **HISTO:** 021380300054

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Harderian Gland	* Liver
* Lung	* Nose	* Parathyroid Gland	* Prostate, Dorsal/lateral Lobe
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Skin
* Spleen	* Testes	* Thymus	* Thyroid Gland
* Trachea			

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Eye	Bilateral	Cataract	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	
		Nephropathy	Minimal
[Cyst TGLS = 1-11]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary GI			
Note: Wet tissue attempted			
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Dilatation	Mild
		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:41
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 55

TRT#: 12

SEX: Male

DAY ON TEST: 485

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300055

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	* Parathyroid Gland
* Pituitary Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Lymphoma Malignant	
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 4-2A]			
* Epididymis		Lymphoma Malignant	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Lymphoma Malignant	
Lymph Node			
Note: TGL 2 - NCL			
Note: TGL 2 - noted grossly as Lymph Node, mediastinal is Lymph Node, hemal			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Marked
		Lymphoma Malignant	
		Lymphoma Malignant	
* Lymph Node, Mesenteric			
[Lymphoma Malignant TGLS = 3-8]			
* Mammary Gland	Acinus	Degeneration	Mild
* Nose		Lymphoma Malignant	
* Pancreas	Acinar Cell	Degeneration	Moderate
* Preputial Gland		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 1-9]			
* Testes	Seminif Tub	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:41
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 55	TRT#: 12	SEX: Male	DAY ON TEST: 485
	DOSE: F1/2PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300055

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Liver	Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:41
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 57

TRT#: 9

SEX: Male

DAY ON TEST: 492

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300057

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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	* Liver	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate, Dorsal/lateral Lobe	* Rete Testes	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

INSUFFICIENT TISSUE

* Lymph Node, Mesenteric

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Minimal
* Coagulating Gland		Atrophy	Mild
[Atrophy TGLS = 2-2A]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lym Node Mesen			
Note: Wet tissue attempted			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland			
Note: No recut or wet tissue attempt per pathologist			
* Prostate, Ventral Lobe		Degeneration	Mild
* Seminal Vesicle		Atrophy	Mild
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 3-6A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:41

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 57

TRT#: 9

SEX: Male

DAY ON TEST: 492

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300057

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:41
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 59

TRT#: 10

SEX: Male

DAY ON TEST: 494

DOSE: F1 10PPB

DISP: Moribund Sacrifice

HISTO: 021380300059

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, Mesenteric	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow	Erythroid Cell Myeloid Cell	Hyperplasia Hyperplasia Granular Cell Tumor Malignant	Minimal Mild
* Brain, Cerebrum [Granular Cell Tumor Malignant TGLS = 5-3]			
* Coagulating Gland [Developmental Malformation TGLS = 4-2A]		Developmental Malformation	
* Epididymis		Atrophy Hypospermia	Mild Marked
* Harderian Gland	Acinus	Degeneration	Mild
* Kidney [Cyst TGLS = 2-11]		Cyst Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland Note: TGL 3 - noted grossly as Mammary Gland is Skin	Acinus	Degeneration	Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Preputial Gland [Dilatation TGLS = 1-2B] [Inflammation TGLS = 1-2B]	Duct	Dilatation Inflammation	Mild Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:41
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 59	TRT#: 10	SEX: Male	DAY ON TEST: 494
	DOSE: F1 10PPB	DISP: Moribund Sacrifice	HISTO: 021380300059

ORGAN AND ACCOUNTABLE SITE STATUS

* Rete Testes		Dilatation	Minimal
* Skin		Sarcoma	
[Sarcoma TGLS = 3-6A]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Hyperplasia	Lymphoid, Mild
		Pigmentation	Mild
* Testes	Seminif Tub	Degeneration	Marked
[Degeneration TGLS = 6-15]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Brain, Cerebrum Granular Cell Tumor Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:41
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 62	TRT#: 11	SEX: Male	DAY ON TEST: 500
	DOSE: F1 50PPB	DISP: Moribund Sacrifice	HISTO: 021380300062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* 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	* Liver	* Lung	* Nose
* Pancreas	* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Minimal
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 7-3]			
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 6-2A]			
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral, Renal Tubule	Carcinoma	
		Cyst	
		Nephropathy	Mild
[Carcinoma TGLS = 3-11]			
* Lung			
Note: TGL 4 - NCL			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 1-4]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Ectasia	Mild
		Lactation	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Preputial Gland		Inflammation	Suppurative, Moderate
[Inflammation TGLS = 2-2B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:41
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 62	TRT#: 11	SEX: Male	DAY ON TEST: 500
	DOSE: F1 50PPB	DISP: Moribund Sacrifice	HISTO: 021380300062

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Spleen		Pigmentation	Mild
Note: TGL 8 - NCL			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Kidney Bilateral Renal Tubule Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:41
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 68

TRT#: 12

SEX: Male

DAY ON TEST: 510

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300068

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	* Heart
* 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
* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	Skeletal Muscle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

Spinal Cord

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 1-2A]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	
[Cyst TGLS = 2-11]		Nephropathy	Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
Perph Nerve			
Note: Tissue located on slide 15.			
Note: Removal observations indicated posterior paralysis. Tissue processed per NTP SOW.			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Seminal Vesicle		Dilatation	Moderate
Skel Muscle			
Note: Tissue located on slide 15.			
Note: Removal observations indicated posterior paralysis. Tissue processed per NTP SOW.			
Spinal Cord			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 68	TRT#: 12	SEX: Male	DAY ON TEST: 510
	DOSE: F1/2PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300068

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Removal observations indicated posterior paralysis. Tissue processed per NTP SOW.

Note: Tissue located on slide 15.

* Testes	Seminif Tub	Degeneration	Minimal
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 69

TRT#: 13

SEX: Male

DAY ON TEST: 512

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300069

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, Ileum
* Islets, Pancreatic	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 7-2A]			
* Epididymis		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Inflammation	Chronic Active, Mild
* Intestine Small, Jejunum		Inflammation	Chronic Active, Mild
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
Note: TGL 8 - NCL			
* Lung		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 5-10]			
Lymph Node	Hemal	Degeneration	Cystic, Marked
	Axillary	Infiltration Cellular	Plasma Cell, Marked
	Hemal	Inflammation	Chronic Active, Moderate
	Hemal	Necrosis	Mild
[Degeneration TGLS = 6-4A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 69

TRT#: 13

SEX: Male

DAY ON TEST: 512

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300069

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 2-15] [Inflammation TGLS = 6-4A] [Necrosis TGLS = 6-4A]			
* Lymph Node, Mandibular * Lymph Node, Mesenteric [Degeneration TGLS = 4-8A]		Infiltration Cellular Degeneration	Plasma Cell, Moderate Cystic, Marked
* Nose * Preputial Gland * Prostate, Dorsal/Lateral Lobe * Skin [Inflammation TGLS = 3-6A]		Inflammation Infiltration Cellular Infiltration Cellular Inflammation	Chronic Active, Mild Lymphocyte, Minimal Lymphocyte, Minimal Chronic Active, Marked
* Spleen [Hematopoietic Cell Proliferation TGLS = 1-9] [Infiltration Cellular TGLS = 1-9] [Necrosis TGLS = 1-9]		Hematopoietic Cell Proliferation Infiltration Cellular Necrosis	Moderate Polymorphnuclr, Mild Mild
* Testes * Thymus Note: TGL 6 - noted grossly as Thymus is Lymph Node, hemal Note: No recut or wet tissue attempt per pathologist	Seminif Tub	Degeneration	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 70

TRT#: 13

SEX: Male

DAY ON TEST: 511

DOSE: F1/10PPB TO CTL

DISP: Natural Death

HISTO: 021380300070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Parathyroid Gland	* Salivary Glands
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AUTO PRECLUDES DIAG.

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* 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	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Rete Testes	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Coagulating Gland Note: TGL 7 - NCL Ductus Deferens [Inflammation TGLS = 4-15]		Carcinoma	Metastatic (Prostate, Dorsal/Lateral Lobe)
* Eye Note: TGL 6 - NCL		Inflammation	Suppurative, Marked
* Kidney [Hydronephrosis TGLS = 5-11+11A] [Inflammation TGLS = 5-11+11A]		Hydronephrosis Inflammation	Marked Suppurative, Moderate
* Preputial Gland		Inflammation	Suppurative, Moderate
* Prostate, Dorsal/Lateral Lobe [Carcinoma TGLS = 2-2+2C]		Carcinoma	
* Prostate, Ventral Lobe [Carcinoma TGLS = 2-2+2C]		Carcinoma	
* Seminal Vesicle [Carcinoma TGLS = 8-2A]		Carcinoma	Metastatic (Prostate, Dorsal/Lateral Lobe)
* Testes			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 70

TRT#: 13

SEX: Male

DAY ON TEST: 511

DOSE: F1/10PPB TO CTL

DISP: Natural Death

HISTO: 021380300070

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 3 - NCL

* Urin Bladder

Note: TGL 1 - NCL

PRIMARY CAUSE OF DEATH

-

CONTRIBUTORY CAUSE OF DEATH

- Prostate;Dorsal/Lateral Lobe Carcinoma;Prostate;Ventral Lobe Carcinoma

Animal Note: TGL 4 - noted grossly as Tissue NOS is Ductus Deferens

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 76	TRT#: 8	SEX: Male	DAY ON TEST: 526
	DOSE: F1 0PPB	DISP: Natural Death	HISTO: 021380300076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Epididymis	* Esophagus
* Parathyroid Gland	* Skin		

AUTO PRECLUDES DIAG.

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Glandular
* Testes	* Thymsus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Preputial Gland	Inflammation	Suppurative, Mild
* Stomach, Forestomach	Keratin Cyst	
[Keratin Cyst TGLS = 1-7]		

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 79

TRT#: 12

SEX: Male

DAY ON TEST: 534

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Liver	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain, Brain Stem [Compression TGLS = 4-3]		Compression	Marked
* Brain, Cerebellum		Hydrocephalus	Mild
* Brain, Cerebrum		Hydrocephalus	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney [Adenoma TGLS = 2-11] [Carcinoma TGLS = 2-11]	Renal Tubule Renal Tubule	Adenoma Carcinoma Nephropathy	Moderate
* Lung [Infiltration Cellular TGLS = 5-10A]		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Ectasia Lactation	Minimal Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland [Adenoma TGLS = 3-1]	Pars Distalis	Adenoma	
* Preputial Gland		Atrophy Inflammation	Mild Suppurative, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 79	TRT#: 12	SEX: Male	DAY ON TEST: 534
	DOSE: F1/2PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300079

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 1-2B]			
[Inflammation TGLS = 1-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
-------------------------------	-----------------------------------------

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 87

TRT#: 12

SEX: Male

DAY ON TEST: 549

DOSE: F1/2PPB TO CTL

DISP: Natural Death

HISTO: 021380300087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Coagulating Gland	* 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
* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain, Brain Stem		Compression	Marked
[Compression TGLS = 3-3]			
* Brain, Cerebellum		Hydrocephalus	Mild
* Brain, Cerebrum		Hydrocephalus	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral, Renal Tubule	Adenoma	
[Adenoma TGLS = 5,6-11+11A]		Nephropathy	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 2-4]			
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland		Lactation	Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Preputial Gland		Atrophy	Mild
[Atrophy TGLS = 1-2B]		Inflammation	Suppurative, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Spleen		Pigmentation	Mild
* Testes	Seminif Tub	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 87

TRT#: 12

SEX: Male

DAY ON TEST: 549

DOSE: F1/2PPB TO CTL

DISP: Natural Death

HISTO: 021380300087

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 88

TRT#: 10

SEX: Male

DAY ON TEST: 552

DOSE: F1 10PPB

DISP: Moribund Sacrifice

HISTO: 021380300088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Epididymis	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Brain, Brain Stem [Compression TGLS = 2-3]	Compression	Marked
* Brain, Cerebrum	Hydrocephalus	Mild
* Coagulating Gland [Developmental Malformation TGLS = 6-2A]	Developmental Malformation	
* Epididymis Note: TGL 7 - NCL		
* Esophagus	Hyperkeratosis	Mild
* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Mild
* Liver [Hepatodiaphragmatic Nodule TGLS = 5-9]	Hepatodiaphragmatic Nodule Inflammation Necrosis Vacuolization Cytoplasmic	Chronic Active, Minimal Mild Minimal
* Lymph Node, Mandibular	Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland	Ectasia	Moderate
Alveolus	Hyperplasia	Moderate
	Lactation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 88	TRT#: 10	SEX: Male	DAY ON TEST: 552
	DOSE: F1 10PPB	DISP: Moribund Sacrifice	HISTO: 021380300088

ORGAN AND ACCOUNTABLE SITE STATUS

[Ectasia TGLS = 4-6]			
[Hyperplasia TGLS = 4-6]			
[Lactation TGLS = 4-6]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-1]			
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 90

TRT#: 9

SEX: Male

DAY ON TEST: 554

DOSE: F1 2PPB

DISP: Natural Death

HISTO: 021380300090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Islets, Pancreatic	* Liver	* Lung
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Coagulat GI Note: TGL 3 - NCL			
* Epididymis Note: TGL 2 - NCL			
* Heart	Endocardium	Schwannoma Malignant	
* Kidney		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 1-11]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Heart Endocardium Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 92

TRT#: 14

SEX: Male

DAY ON TEST: 556

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* 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	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 6-3]			
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 11-2A]			
* Harderian Gland	Acinus	Degeneration	Mild
		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral, Renal Tubule	Adenoma	
		Cyst	
		Nephropathy	Mild
[Adenoma TGLS = 8-11]			
[Cyst TGLS = 4,5-11+11A]			
* Liver		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Ectasia	Moderate
	Alveolus	Hyperplasia	Marked
		Lactation	Marked
[Ectasia TGLS = 1,2-6B+6A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 92

TRT#: 14

SEX: Male

DAY ON TEST: 556

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300092

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1,2-6B+6A]			
[Lactation TGLS = 1,2-6B+6A]			
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Preputial Gland		Inflammation	Suppurative, Mild
Note: TGL 3 - NST			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Marked
[Inflammation TGLS = 10-2+2C]			
* Prostate, Ventral Lobe		Inflammation	Suppurative, Marked
[Inflammation TGLS = 10-2+2C]			
* Rete Testes		Dilatation	Minimal
* Spleen		Pigmentation	Minimal
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 9-5]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 94

TRT#: 8

SEX: Male

DAY ON TEST: 556

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300094

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, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 5-2A]			
* Epididymis			
Note: TGL 6 - NCL			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland	Acinus	Degeneration	Moderate
* Preputial Gland		Inflammation	Suppurative, Moderate
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Skin		Cyst Epithelial Inclusion	
		Inflammation	Chronic Active, Marked
		Sarcoma	
[Cyst Epithelial Inclusion TGLS = 2,4-6A+6B]			
[Inflammation TGLS = 1-6D]			
[Sarcoma TGLS = 3-6C]			
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 94

TRT#: 8

SEX: Male

DAY ON TEST: 556

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300094

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Skin Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 103

TRT#: 10

SEX: Male

DAY ON TEST: 562

DOSE: F1 10PPB

DISP: Moribund Sacrifice

HISTO: 021380300103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* 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	* Liver	* Lung	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 3-3]			
* Epididymis		Mesothelioma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-6A]		Lactation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Testes	Seminif Tub	Degeneration	Mild
* Thymus			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 103

TRT#: 10

SEX: Male

DAY ON TEST: 562

DOSE: F1 10PPB

DISP: Moribund Sacrifice

HISTO: 021380300103

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Wet tissue attempted

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 107

TRT#: 12

SEX: Male

DAY ON TEST: 569

DOSE: F1/2PPB TO CTL

DISP: Natural Death

HISTO: 021380300107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Epididymis	* Eye	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Liver	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea			

AUTO PRECLUDES DIAG.

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

* Coagulating Gland [Hemorrhage TGLS = 4-2A]		Hemorrhage	Marked
* Epididymis Note: TGL 11 - NCL			
* Esophagus		Hyperkeratosis	Mild
* Eye Note: TGL 8 - NCL			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart	Atrium	Cardiomyopathy	Moderate
		Dilatation	Moderate
		Inflammation	Suppurative, Mild
[Dilatation TGLS = 7-6+6A]			
* Kidney	Pelvis	Hemorrhage	Moderate
		Hydronephrosis	Moderate
	Pelvis	Inflammation	Suppurative, Moderate
		Mineralization	Moderate
		Nephropathy	Marked
[Hydronephrosis TGLS = 6-11+11A]			
* Lung		Inflammation	Chronic Active, Mild
* Lymph Node, Mandibular [Hyperplasia TGLS = 10-4]		Hyperplasia	Lymphoid, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 107

TRT#: 12

SEX: Male

DAY ON TEST: 569

DOSE: F1/2PPB TO CTL

DISP: Natural Death

HISTO: 021380300107

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Inflammation	Granulomatous, Minimal
* Mammary Gland	Acinus	Degeneration	Marked
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate, Dorsal/Lateral Lobe		Hemorrhage	Marked
		Inflammation	Chronic Active, Mild
[Hemorrhage TGLS = 3-2]			
* Prostate, Ventral Lobe		Hemorrhage	Marked
		Inflammation	Chronic Active, Mild
[Hemorrhage TGLS = 3-2]			
* Rete Testes		Dilatation	Moderate
* Seminal Vesicle		Hemorrhage	Marked
[Hemorrhage TGLS = 2-2A]			
* Spleen		Depletion Lymphoid	Mild
		Hematopoietic Cell Proliferation	Marked
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Suppurative, Moderate
		Ulcer	Mild
[Hyperplasia TGLS = 9-7]			
[Inflammation TGLS = 9-7]			
[Ulcer TGLS = 9-7]			
* Testes	Seminif Tub	Degeneration	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous
Urethra		Hemorrhage	Moderate
[Hemorrhage TGLS = 5-15]			
* Urinary Bladder	Transit Epithe	Hemorrhage	Moderate
		Hyperplasia	Minimal
		Inflammation	Suppurative, Moderate
[Hemorrhage TGLS = 1-11B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 107

TRT#: 12

SEX: Male

DAY ON TEST: 569

DOSE: F1/2PPB TO CTL

DISP: Natural Death

HISTO: 021380300107

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 1-11B]

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 110

TRT#: 14

SEX: Male

DAY ON TEST: 573

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Coagulating Gland	* Epididymis	* 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	* Nose
* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Brain, Brain Stem		Compression	Marked
[Compression TGLS = 1-3]			
* Brain, Cerebrum		Granular Cell Tumor Benign	
		Hydrocephalus	Minimal
* Harderian Gland	Acinus	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Lung		Metaplasia	Osseous, Minimal
* Mammary Gland		Lactation	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 3-6A]			
* Spleen		Pigmentation	Moderate
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:42

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 113

TRT#: 13

SEX: Male

DAY ON TEST: 576

DOSE: F1/10PPB TO CTL

DISP: Natural Death

HISTO: 021380300113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Epididymis	* Esophagus	* Islets, Pancreatic
* Liver	* Nose	* Parathyroid Gland	* Preputial Gland
* Rete Testes	* Skin		

MISSING

* Thymus

AUTO PRECLUDES DIAG.

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Eye
* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

OBSERVATIONS

* Coagulating Gland		Inflammation	Suppurative, Marked
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Cecum		Inflammation	Suppurative, Marked
* Kidney			
Note: TGL 3 - NCL			
Lacrimal Gland		Ectopic Harderian	
[Ectopic Harderian TGLS = 4-15]			
* Lung		Infiltration Cellular	Histiocyte, Mild
		Thrombosis	Marked
* Lym Node Mand			
Note: TGL 5 - NCL			
* Mammary Gland	Acinus	Degeneration	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Marked
* Prostate, Ventral Lobe		Inflammation	Suppurative, Marked
* Seminal Vesicle		Inflammation	Suppurative, Marked
[Inflammation TGLS = 2-2A+2C]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 113

TRT#: 13

SEX: Male

DAY ON TEST: 576

DOSE: F1/10PPB TO CTL

DISP: Natural Death

HISTO: 021380300113

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Moderate
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus			
Note: No recut or wet tissue attempt per pathologist			
* Thyroid Gland		Cyst	Squamous
* Urinary Bladder		Hemorrhage	Marked
		Inflammation	Suppurative, Moderate
[Hemorrhage TGLS = 1-11A]			
[Inflammation TGLS = 1-11A]			

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 122

TRT#: 11

SEX: Male

DAY ON TEST: 585

DOSE: F1 50PPB

DISP: Moribund Sacrifice

HISTO: 021380300122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* 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	* Liver
* Lung	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 6-3A]			
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 8-2A]			
* Harderian Gland	Acinus	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Marked
[Degeneration TGLS = 4-4]			
[Infiltration Cellular TGLS = 4-4]			
* Mammary Gland		Ectasia	Moderate
		Lactation	Moderate
[Ectasia TGLS = 1-6A]			
[Lactation TGLS = 1-6A]			
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Preputial Gland		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 122	TRT#: 11	SEX: Male	DAY ON TEST: 585
	DOSE: F1 50PPB	DISP: Moribund Sacrifice	HISTO: 021380300122

ORGAN AND ACCOUNTABLE SITE STATUS

Duct	Dilatation	Mild
[Atrophy TGLS = 3-2B]	Inflammation	Suppurative, Marked
[Dilatation TGLS = 2-2B]		
[Inflammation TGLS = 2-2B]		
* Prostate, Dorsal/Lateral Lobe	Inflammation	Suppurative, Mild
* Sem Ves		
Note: TGL 5 - NCL		
* Spleen	Pigmentation	Mild
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 131

TRT#: 14

SEX: Male

DAY ON TEST: 594

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Coagulating Gland	* 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	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Brain, Brain Stem		Astrocytoma Malignant	
* Brain, Cerebellum		Astrocytoma Malignant	
* Brain, Cerebrum		Astrocytoma Malignant	
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Minimal
[Cyst TGLS = 4-11A]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Acinus	Degeneration	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Sem Ves			
Note: TGL 3 - NCL			
* Skin		Abscess	Marked
[Abscess TGLS = 1-6A]			
* Testes	Seminif Tub	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 131

TRT#: 14

SEX: Male

DAY ON TEST: 594

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300131

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

* Thyroid Gland

Cyst

Squamous

PRIMARY CAUSE OF DEATH

- Brain, Cerebrum Astrocytoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 132

TRT#: 8

SEX: Male

DAY ON TEST: 592

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Esophagus	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Parathyroid Gland	* Rete Testes
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Lymphoma Malignant
* Brain, Cerebrum		Lymphoma Malignant
* Coagulating Gland		Lymphoma Malignant
Note: TGL 4 - NCL		
* Epididymis		Lymphoma Malignant
* Eye		Lymphoma Malignant
* Harderian Gland		Lymphoma Malignant
* Intestine Large, Cecum		Lymphoma Malignant
* Kidney		Lymphoma Malignant
* Liver		Lymphoma Malignant
[Lymphoma Malignant TGLS = 6-9]		
* Lung		Lymphoma Malignant
Lymph Node	Axillary	Lymphoma Malignant
	Mediastinal	Lymphoma Malignant
	Renal	Lymphoma Malignant
Note: TGL 8 - noted grossly as Lymph Node, lumbar is Mesentery		
[Lymphoma Malignant TGLS = 10-15C]		
[Lymphoma Malignant TGLS = 9-15B]		
[Lymphoma Malignant TGLS = 7-15]		
* Lymph Node, Mandibular		Lymphoma Malignant
[Lymphoma Malignant TGLS = 2-4]		
* Lymph Node, Mesenteric		Lymphoma Malignant
[Lymphoma Malignant TGLS = 11-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 132 **TRT#:** 8 **SEX:** Male **DAY ON TEST:** 592
DOSE: F1 0PPB **DISP:** Moribund Sacrifice **HISTO:** 021380300132

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Lymphoma Malignant	
Mesentery	Fat	Lymphoma Malignant	
	[Lymphoma Malignant TGLS = 8-15A]		
* Nose		Lymphoma Malignant	
* Pancreas		Lymphoma Malignant	
* Pituitary Gland		Lymphoma Malignant	
* Preputial Gland		Lymphoma Malignant	
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
		Lymphoma Malignant	
* Prostate, Ventral Lobe		Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	
	[Lymphoma Malignant TGLS = 1-4]		
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLS = 5-9A]		
* Testes	Seminif Tub	Degeneration	Marked
		Lymphoma Malignant	
	[Degeneration TGLS = 3-15D]		
* Thymus		Lymphoma Malignant	
* Thyroid Gland		Cyst	Squamous
* Trachea		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH - Liver Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 135

TRT#: 10

SEX: Male

DAY ON TEST: 596

DOSE: F1 10PPB

DISP: Moribund Sacrifice

HISTO: 021380300135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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	* Liver	* Lung
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain, Brain Stem [Compression TGLS = 4-3]		Compression	Moderate
* Coagulating Gland [Developmental Malformation TGLS = 1-2A]		Developmental Malformation	
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Acinus	Degeneration	Mild
		Lactation	Minimal
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland [Adenoma TGLS = 3-1]	Pars Distalis	Adenoma	
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
Tissue NOS [Lipoma TGLS = 2-15]		Lipoma	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 138

TRT#: 9

SEX: Male

DAY ON TEST: 598

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Prostate, Ventral Lobe	* Rete Testes	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Granulocytic
* Bone Marrow		Leukemia Granulocytic
* Bone, Femur		Leukemia Granulocytic
* Brain, Brain Stem		Leukemia Granulocytic
* Coagulating Gland		Leukemia Granulocytic
* Epididymis		Leukemia Granulocytic
* Eye		Leukemia Granulocytic
* Harderian Gland		Leukemia Granulocytic
* Heart		Leukemia Granulocytic
* Intestine Large, Cecum		Leukemia Granulocytic
* Intestine Large, Colon		Leukemia Granulocytic
* Islets, Pancreatic		Leukemia Granulocytic
* Kidney		Leukemia Granulocytic
[Leukemia Granulocytic TGLS = 7-11+11A]		
* Liver		Leukemia Granulocytic
[Leukemia Granulocytic TGLS = 6-9]		
* Lung		Leukemia Granulocytic
[Leukemia Granulocytic TGLS = 13-10]		
Lymph Node	Axillary	Leukemia Granulocytic
	Deep Cervical	Leukemia Granulocytic
	Lumbar	Leukemia Granulocytic
	Renal	Leukemia Granulocytic
[Leukemia Granulocytic TGLS = 4-15A]		
[Leukemia Granulocytic TGLS = 3-15]		
[Leukemia Granulocytic TGLS = 8-15B]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 138

TRT#: 9

SEX: Male

DAY ON TEST: 598

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300138

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Granulocytic TGLS = 9-15C]	
* Lymph Node, Mandibular	Leukemia Granulocytic
[Leukemia Granulocytic TGLS = 14-4]	
* Lymph Node, Mesenteric	Leukemia Granulocytic
[Leukemia Granulocytic TGLS = 12-8]	
* Mammary Gland	Leukemia Granulocytic
* Nose	Leukemia Granulocytic
* Pancreas	Leukemia Granulocytic
* Parathyroid Gland	Leukemia Granulocytic
* Pituitary Gland	Leukemia Granulocytic
[Leukemia Granulocytic TGLS = 11-1]	
* Preputial Gland	Leukemia Granulocytic
* Prostate, Dorsal/Lateral Lobe	Leukemia Granulocytic
* Salivary Glands	Leukemia Granulocytic
[Leukemia Granulocytic TGLS = 1,2-4+4A]	
* Seminal Vesicle	Leukemia Granulocytic
* Spleen	Leukemia Granulocytic
[Leukemia Granulocytic TGLS = 5-9A]	
* Thymus	Leukemia Granulocytic
[Leukemia Granulocytic TGLS = 10-4A]	
* Thyroid Gland	Leukemia Granulocytic
* Trachea	Leukemia Granulocytic

PRIMARY CAUSE OF DEATH - Liver Leukemia Granulocytic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 139

TRT#: 9

SEX: Male

DAY ON TEST: 597

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
Urethra	* Urinary Bladder		

OBSERVATIONS

* Adren Cortex			
Note: TGL 7 - NCL			
* Adren Medulla			
Note: TGL 7 - NCL			
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Inflammation	Suppurative, Mild
		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Inflammation	Chronic Active, Minimal
[Angiectasis TGLS = 10-9]			
* Lung		Inflammation	Chronic Active, Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Marked
	Axillary	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Mild
Note: TGL 6 - noted grossly as Lymph Node, iliac is Urethra, Bulbourethral Gland			
[Degeneration TGLS = 5-15A]			
[Hyperplasia TGLS = 11-15C]			
[Infiltration Cellular TGLS = 5-15A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 139

TRT#: 9

SEX: Male

DAY ON TEST: 597

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300139

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Infiltration Cellular TGLS = 4-4]		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric [Degeneration TGLS = 9-8]		Degeneration	Cystic, Mild
* Mammary Gland	Acinus	Degeneration	Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Preputial Gland [Abscess TGLS = 3-2B]		Abscess	Marked
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Seminal Vesicle [Atrophy TGLS = 2-4]		Atrophy	Mild
* Skin [Squamous Cell Carcinoma TGLS = 1-15]		Squamous Cell Carcinoma	
* Spleen [Hematopoietic Cell Proliferation TGLS = 8-9] [Pigmentation TGLS = 8-9]		Hematopoietic Cell Proliferation Pigmentation	Mild Mild
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked
Urethra			
Note: TGL 6 - NCL			

PRIMARY CAUSE OF DEATH - Skin Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 140

TRT#: 9

SEX: Male

DAY ON TEST: 596

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Metaplasia	Osseous, Marked
		Vacuolization Cytoplasmic	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Kidney		Cyst	
		Nephropathy	Minimal
		[Cyst TGLS = 2-11]	
* Liver		Hepatocellular Adenoma	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		[Infiltration Cellular TGLS = 4-10]	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Plasma Cell, Mild
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric			
* Mammary GI			
Note: Wet tissue attempted			
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 3-1]	
* Preputial Gland		Inflammation	Suppurative, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 140	TRT#: 9	SEX: Male	DAY ON TEST: 596
	DOSE: F1 2PPB	DISP: Moribund Sacrifice	HISTO: 021380300140

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Carcinoma TGLS = 1-15]		Squamous Cell Carcinoma	
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe		Inflammation	Suppurative, Mild
* Skin		Keratoacanthoma	
Note: TGL 1 - noted grossly as Skin is Preputial Gland			
* Spleen		Pigmentation	Mild
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 141

TRT#: 9

SEX: Male

DAY ON TEST: 600

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain, Cerebrum		Granular Cell Tumor Malignant	
		Hydrocephalus	Minimal
* Liver		Angiectasis	Mild
		Vacuolization Cytoplasmic	Mild
[Angiectasis TGLS = 2-9]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland		Lactation	Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Brain, Cerebrum Granular Cell Tumor Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 146

TRT#: 10

SEX: Male

DAY ON TEST: 602

DOSE: F1 10PPB

DISP: Moribund Sacrifice

HISTO: 021380300146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Coagulat GI			
Note: TGL 4 - NCL			
Note: Right side of Coagulating Gland is missing			
* Harderian Gland	Acinus	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum		Adenocarcinoma	
[Adenocarcinoma TGLS = 2-15]			
* Kidney		Cyst	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland	Acinus	Degeneration	Moderate
* Pancreas	Acinar Cell	Degeneration	Minimal
* Parathyroid GI			
Note: Recut attempted			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Dilatation	Mild
		Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 146

TRT#: 10

SEX: Male

DAY ON TEST: 602

DOSE: F1 10PPB

DISP: Moribund Sacrifice

HISTO: 021380300146

ORGAN AND ACCOUNTABLE SITE STATUS

[Dilatation TGLS = 5-2B]

[Squamous Cell Carcinoma TGLS = 1-6A]

* Prostate, Dorsal/Lateral Lobe

Inflammation

Suppurative, Minimal

* Seminal Vesicle

Atrophy

Minimal

[Atrophy TGLS = 3-2A]

* Skin

Note: TGL 1 - noted grossly as Skin is Preputial Gland

* Spleen

Hematopoietic Cell Proliferation

Moderate

* Thymus

Atrophy

Marked

* Thyroid Gland

Cyst

Squamous

PRIMARY CAUSE OF DEATH

- Intestine Small, Ileum Adenocarcinoma

CONTRIBUTORY CAUSE OF DEATH

- Preputial Gland Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 147

TRT#: 14

SEX: Male

DAY ON TEST: 601

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Moderate
[Cyst TGLS = 1-11]			
* Mammary Gland	Acinus	Degeneration	Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 2-6A]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus			
Note: Wet tissue attempted			
* Thyroid Gland		Cyst	Squamous

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 148

TRT#: 14

SEX: Male

DAY ON TEST: 601

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain, Brain Stem [Compression TGLS = 3-3]		Compression	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Ectasia	Mild
		Lactation	Mild
* Pancreas Note: Tissue located on slide 7	Acinar Cell	Degeneration	Minimal
* Pituitary Gland [Adenoma TGLS = 2-1]	Pars Distalis	Adenoma	
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Prostate, Dorsal/Lateral Lobe		Degeneration	Mild
		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Minimal
* Skin [Inflammation TGLS = 1-6A]		Inflammation	Chronic Active, Marked
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 149

TRT#: 10

SEX: Male

DAY ON TEST: 602

DOSE: F1 10PPB

DISP: Moribund Sacrifice

HISTO: 021380300149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Harderian Gland	Acinus	Degeneration	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 2-11]			
* Liver		Necrosis	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland	Acinus	Degeneration	Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland			
Note: No recut attempt per pathologist (tissue too thin)			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Inflammation	Suppurative, Mild
* Skin		Fibroma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 149	TRT#: 10	SEX: Male	DAY ON TEST: 602
	DOSE: F1 10PPB	DISP: Moribund Sacrifice	HISTO: 021380300149

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLS = 1-6A]		
* Spleen	Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-9]		
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH	- Skin Fibroma
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 150

TRT#: 12

SEX: Male

DAY ON TEST: 603

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* 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	* Preputial Gland	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
Lymph Node	Axillary	Infiltration Cellular	Plasma Cell, Marked
[Infiltration Cellular TGLS = 3-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 1-4]		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland	Acinus	Degeneration	Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Skin		Inflammation	Suppurative, Marked
		Inflammation	Chronic Active, Marked
		Keratoacanthoma	
[Inflammation TGLS = 2-6A]			
[Inflammation TGLS = 4-6B]			
[Keratoacanthoma TGLS = 4-6B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 150

TRT#: 12

SEX: Male

DAY ON TEST: 603

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300150

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hyperplasia	Lymphoid, Minimal
* Testes	Seminif Tub	Degeneration	Mild
* Thymus		Cyst	Squamous
* Thyroid Gland		Cyst	Squamous

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 153

TRT#: 12

SEX: Male

DAY ON TEST: 610

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300153

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* 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	* Liver	* Lymph Node, Mesenteric	* Parathyroid Gland
* Pituitary Gland	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Brain Cerebellum			
Note: TGL 4 - NCL			
* Brain Cerebrum			
Note: TGL 4 - NCL			
* Brain Stem			
Note: TGL 4 - NCL			
* Epididymis		Atrophy	Mild
		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Minimal
* Lung		Inflammation	Chronic Active, Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary GI			
Note: No recut or wet tissue attempt per pathologist			
* Nose		Inflammation	Suppurative, Mild
Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 2-14A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 153

TRT#: 12

SEX: Male

DAY ON TEST: 610

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300153

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Degeneration	Minimal
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Chronic Active, Mild
* Prostate, Ventral Lobe		Inflammation	Chronic Active, Mild
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 3-6A]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Seminif Tub	Degeneration	Marked
[Degeneration TGLS = 1-15]			
* Thymus		Atrophy	Marked
* Thyroid Gland		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

Animal Note: TGL 2 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 156

TRT#: 10

SEX: Male

DAY ON TEST: 615

DOSE: F1 10PPB

DISP: Moribund Sacrifice

HISTO: 021380300156

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Epididymis	* Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Pancreas
* Pituitary Gland	* Rete Testes	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Adrenal Medulla	* Mammary Gland
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OBSERVATIONS

* Adren Medulla		
Note: Recut attempted		
* Adrenal Cortex		Carcinoma
[Carcinoma TGLS = 3-1]		
* Bone Marrow		Hypocellularity
* Coagulating Gland		Atrophy
* Esophagus		Hyperkeratosis
* Harderian Gland		Degeneration
* Heart		Cardiomyopathy
* Kidney		Cyst
	Transit Epithe	Hyperplasia
		Nephropathy
[Cyst TGLS = 2-11A]		
* Liver		Vacuolization Cytoplasmic
* Lung		Carcinoma
* Lymph Node, Mesenteric		Inflammation
* Mammary GI		
Note: Wet tissue attempted		
* Nose		Inflammation
* Parathyroid Gland		Hyperplasia
* Preputial Gland		Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 156	TRT#: 10	SEX: Male	DAY ON TEST: 615
	DOSE: F1 10PPB	DISP: Moribund Sacrifice	HISTO: 021380300156

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate, Dorsal/Lateral Lobe	Atrophy	Moderate
* Prostate, Ventral Lobe	Atrophy	Moderate
* Salivary Glands	Inflammation	Suppurative, Mild
* Seminal Vesicle [Atrophy TGLS = 1-2A]	Atrophy	Marked
* Skin [Inflammation TGLS = 4,5-6A+6B]	Inflammation	Chronic Active, Mild
* Spleen	Depletion Lymphoid Pigmentation	Moderate Minimal
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH - Adrenal Cortex Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 158

TRT#: 9

SEX: Male

DAY ON TEST: 617

DOSE: F1 2PPB

DISP: Natural Death

HISTO: 021380300158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Intestine Large, Colon
* Islets, Pancreatic	* Liver	* Parathyroid Gland	* Pituitary Gland
* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Seminal Vesicle	* Thymus	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Moderate
		Infiltration Cellular	Plasma Cell, Mild
		Inflammation	Granulomatous, Mild
* Lymph Node, Mesenteric			
* Mammary Gland			
Note: No recut or wet tissue attempt per pathologist			
* Nose		Inflammation	Suppurative, Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 159

TRT#: 8

SEX: Male

DAY ON TEST: 619

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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
* Parathyroid Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
* Liver		Inflammation	Chronic Active, Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland	Acinus	Degeneration	Mild
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
* Preputial Gland	Duct	Dilatation	Minimal
		Infiltration Cellular	Lymphocyte, Mild
	[Dilatation TGLS = 1-2B]		
	[Infiltration Cellular TGLS = 1-2B]		
* Skin		Inflammation	Chronic Active, Marked
	[Inflammation TGLS = 2,4-6A+6B]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
Zymbal's Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 159

TRT#: 8

SEX: Male

DAY ON TEST: 619

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300159

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 3-15]

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 160

TRT#: 12

SEX: Male

DAY ON TEST: 619

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Liver	* Lung	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Islets, Pancreatic		Hyperplasia	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Minimal
* Mammary Gland			
Note: No recut or wet tissue attempt per pathologist			
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Skin		Sarcoma	
[Sarcoma TGLS = 1-6A]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Skin Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 162	TRT#: 14	SEX: Male	DAY ON TEST: 619
	DOSE: F1/50PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300162

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, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Nose	* Parathyroid Gland
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Coagulating Gland		Atrophy	Minimal
[Atrophy TGLS = 2-2A]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland	Acinus	Degeneration	Moderate
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Atrophy	Mild
[Atrophy TGLS = 1-2A]			
* Skin		Osteosarcoma	
[Osteosarcoma TGLS = 3-6A]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 162

TRT#: 14

SEX: Male

DAY ON TEST: 619

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300162

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Skin Osteosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 167

TRT#: 12

SEX: Male

DAY ON TEST: 623

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 4-3]			
* Harderian Gland	Acinus	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
	Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Minimal
[Cyst TGLS = 1-11]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Ectasia	Minimal
		Lactation	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Preputial Gland		Cyst	
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 167	TRT#: 12	SEX: Male	DAY ON TEST: 623
	DOSE: F1/2PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300167

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLS = 2-6A]		
* Spleen		Pigmentation	Mild
* Testes	Seminif Tub	Degeneration	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 168

TRT#: 10

SEX: Male

DAY ON TEST: 624

DOSE: F1 10PPB

DISP: Moribund Sacrifice

HISTO: 021380300168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating 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
* Parathyroid Gland	* Prostate, Ventral Lobe	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Brain, Brain Stem [Compression TGLS = 3-3]		Compression	Marked
* Epididymis		Atrophy	Mild
		Hypospermia	Marked
* Harderian Gland	Acinus	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland	Acinus	Degeneration	Moderate
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland [Adenoma TGLS = 2-1]	Pars Distalis	Adenoma	
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Rete Testes		Dilatation	Mild
		Fibrosis	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 168	TRT#: 10	SEX: Male	DAY ON TEST: 624
	DOSE: F1 10PPB	DISP: Moribund Sacrifice	HISTO: 021380300168

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Degeneration TGLS = 1-sp1]	Seminif Tub	Degeneration	Marked
* Thyroid Gland		Cyst	Squamous

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:42

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 172

TRT#: 10

SEX: Male

DAY ON TEST: 632

DOSE: F1 10PPB

DISP: Moribund Sacrifice

HISTO: 021380300172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Bone, Femur | * Brain, Cerebellum | * Brain, Cerebrum | * Coagulating Gland |
| * 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 |
| * Nose | * Pancreas | * Parathyroid Gland | Peripheral Nerve |
| * Rete Testes | * Salivary Glands | * Seminal Vesicle | Skeletal Muscle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

AUTO PRECLUDES DIAG.

Spinal Cord

OBSERVATIONS

- | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|------------------------|
| * Brain, Brain Stem
[Compression TGLS = 6-3] | | Compression | Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Lung
[Infiltration Cellular TGLS = 4-10] | | Infiltration Cellular | Histiocyte, Minimal |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Moderate |
| * Lymph Node, Mesenteric | | Inflammation | Granulomatous, Minimal |
| * Mammary Gland
[Ectasia TGLS = 3-6A]
[Lactation TGLS = 3-6A] | | Ectasia
Lactation | Mild
Moderate |
| Perph Nerve
Note: Removal observations indicated anterior and posterior paralysis. Tissue processed per NTP SOW.
Note: Tissue located on slide 15. | | | |
| * Pituitary Gland
[Adenoma TGLS = 2-1] | Pars Distalis | Adenoma | |
| * Preputial Gland | Duct | Dilatation | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 172	TRT#: 10	SEX: Male	DAY ON TEST: 632
	DOSE: F1 10PPB	DISP: Moribund Sacrifice	HISTO: 021380300172

ORGAN AND ACCOUNTABLE SITE STATUS

[Dilatation TGLS = 1-2B] [Inflammation TGLS = 1-2B]	Inflammation	Chronic Active, Mild
* Prostate, Dorsal/Lateral Lobe [Inflammation TGLS = 5-2]	Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe	Hyperplasia Inflammation	Minimal Suppurative, Minimal
Skel Muscle Note: Removal observations indicated anterior and posterior paralysis. Tissue processed per NTP SOW. Note: Tissue located on slide 15.		
Spinal Cord Note: Tissue located on slide 15. Note: Removal observations indicated anterior and posterior paralysis. Tissue processed per NTP SOW.		
* Spleen	Pigmentation	Marked
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 173

TRT#: 8

SEX: Male

DAY ON TEST: 631

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Bone	Cranium	Osteosarcoma	
[Osteosarcoma TGLS = 5-15]			
* Brain, Brain Stem		Compression	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
Note: TGL 3 - NCL			
[Hepatodiaphragmatic Nodule TGLS = 6-9A]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 2-4]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland	Acinus	Degeneration	Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Preputial Gland		Inflammation	Suppurative, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Skin		Sarcoma	
[Sarcoma TGLS = 1-6A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 173	TRT#: 8	SEX: Male	DAY ON TEST: 631
	DOSE: F1 0PPB	DISP: Moribund Sacrifice	HISTO: 021380300173

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Hematopoietic Cell Proliferation TGLS = 4-9]		Hematopoietic Cell Proliferation	Marked
* Testes	Seminif Tub	Degeneration	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Bone Cranium Osteosarcoma

Animal Note: TGL 5 - noted grossly as Tissue NOS is Bone

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:42

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 179

TRT#: 10

SEX: Male

DAY ON TEST: 633

DOSE: F1 10PPB

DISP: Moribund Sacrifice

HISTO: 021380300179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Coagulating Gland |
| * Epididymis | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Pituitary Gland |
| * Prostate, Dorsal/lateral Lobe | * Prostate, Ventral Lobe | * Rete Testes | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

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

OBSERVATIONS

- | | | | |
|---------------------------------------------------------------------------------------------------------------------|-----------|---------------------------|-----------------------|
| * Adrenal Cortex | | Hyperplasia | Minimal |
| | | Vacuolization Cytoplasmic | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Int Sm Ileum | | | |
| Note: TGL 1 is normal peyers patch. | | | |
| Note: TGL 1 - NCL | | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic, Minimal |
| * Lung | | Inflammation | Chronic Active, Mild |
| * Lymph Node, Mandibular | | Degeneration | Cystic, Mild |
| | | Infiltration Cellular | Plasma Cell, Moderate |
| * Nose | | | |
| Note: Squamous cell carcinoma observed in the nasal turbinates is recorded as Squamous cell carcinoma, Oral Mucosa. | | | |
| Oral Mucosa | | Squamous Cell Carcinoma | |
| Note: Located on slide 14 with the routine section of nasal turbinates. | | | |
| * Parathyroid Gl | | | |
| Note: Recut attempted | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 179	TRT#: 10	SEX: Male	DAY ON TEST: 633
	DOSE: F1 10PPB	DISP: Moribund Sacrifice	HISTO: 021380300179

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Suppurative, Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Moderate
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus			
Note: Wet tissue attempted			

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 182

TRT#: 11

SEX: Male

DAY ON TEST: 636

DOSE: F1 50PPB

DISP: Natural Death

HISTO: 021380300182

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 Small, Duodenum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe
* Salivary Glands	* Skin	* Stomach, Forestomach	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Rete Testes
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AUTO PRECLUDES DIAG.

* Coagulating Gland	* Eye	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Seminal Vesicle
* Stomach, Glandular			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland			
Note: Wet tissue attempted			
* Pancreas	Acinar Cell	Degeneration	Mild
* Preputial Gland		Atrophy	Moderate
		Inflammation	Chronic Active, Mild
* Rete Testes			
Note: No recut or wet tissue attempt per pathologist			
* Spleen		Hyperplasia	Stromal, Marked
[Hyperplasia TGLS = 1-9]			
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:42

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 182

TRT#: 11

SEX: Male

DAY ON TEST: 636

DOSE: F1 50PPB

DISP: Natural Death

HISTO: 021380300182

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:42

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 183

TRT#: 9

SEX: Male

DAY ON TEST: 638

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	Peripheral Nerve	* Preputial Gland	* Prostate, Dorsal/lateral Lobe
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
Skeletal Muscle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

Spinal Cord

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 1-10]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Minimal
* Mammary GI			
Note: Recut attempted, No wet tissue attempt per pathologist			
* Pancreas	Acinar Cell	Degeneration	Minimal
Perph Nerve			
Note: Removal observations indicated posterior paralysis. Tissue processed per NTP SOW.			
Note: Tissue located on slide 15.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skel Muscle			
Note: Tissue located on slide 15.			
Note: Removal observations indicated posterior paralysis. Tissue processed per NTP SOW.			
Spinal Cord			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 183	TRT#: 9	SEX: Male	DAY ON TEST: 638
	DOSE: F1 2PPB	DISP: Moribund Sacrifice	HISTO: 021380300183

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Removal observations indicated posterior paralysis. Tissue processed per NTP SOW.

Note: Tissue located on slide 15.

* Spleen		Pigmentation	Minimal
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 184

TRT#: 9

SEX: Male

DAY ON TEST: 639

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300184

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Coagulating Gland	* 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	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	Penis	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 6-3]			
* Brain, Cerebrum		Hydrocephalus	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 4-10]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 1-4]			
* Mammary Gland		Lactation	Minimal
* Pancreas	Acinar Cell	Degeneration	Minimal
Penis			
Note: TGL 2 - NCL			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Seminal Vesicle		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 184	TRT#: 9	SEX: Male	DAY ON TEST: 639
	DOSE: F1 2PPB	DISP: Moribund Sacrifice	HISTO: 021380300184

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 3-2B]

* Spleen	Pigmentation	Moderate
* Thymus		

Note: Re-embed attempted, No wet tissue attempt per pathologist

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 187

TRT#: 12

SEX: Male

DAY ON TEST: 642

DOSE: F1/2PPB TO CTL

DISP: Natural Death

HISTO: 021380300187

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis
* Esophagus	* Harderian Gland	* Lung	* Nose
* Parathyroid Gland	* Rete Testes	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

MISSING

* Islets, Pancreatic

AUTO PRECLUDES DIAG.

* Coagulating Gland	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Mammary Gland	* Pancreas	* Seminal Vesicle
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Marked
* Islets Panc			
Note: No recut or wet tissue per pathologist			
* Kidney			
Note: TGL 4 - NCL			
* Liver		Hepatodiaphragmatic Nodule	
Note: TGL 7 - NCL			
[Hepatodiaphragmatic Nodule TGLS = 8-9]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 2-4]			
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Minimal
* Pancreas			
Note: located on slide 7			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Preputial Gland		Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 187

TRT#: 12

SEX: Male

DAY ON TEST: 642

DOSE: F1/2PPB TO CTL

DISP: Natural Death

HISTO: 021380300187

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Carcinoma TGLS = 1-2B]

* Prostate, Dorsal/Lateral Lobe

Inflammation

Suppurative, Mild

* Prostate, Ventral Lobe

Inflammation

Suppurative, Mild

* Spleen

Hematopoietic Cell Proliferation

Mild

[Hematopoietic Cell Proliferation TGLS = 6-9]

* Testes

Sarcoma

[Sarcoma TGLS = 3-15]

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Preputial Gland Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 192

TRT#: 14

SEX: Male

DAY ON TEST: 646

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mesenteric	* Parathyroid Gland
* Rete Testes	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Bone Marrow	* Intestine Large, Cecum
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INSUFFICIENT TISSUE

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex [Atrophy TGLS = 5-1]		Atrophy	Marked
* Coagulating Gland		Developmental Malformation	
* Epididymis		Atrophy	Moderate
		Hypospermia	Marked
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Mild
* Mammary Gland Note: No recut or wet tissue attempt per pathologist			
* Nose		Inflammation	Suppurative, Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland Note: Wet tissue attempted			
* Preputial Gland		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 192	TRT#: 14	SEX: Male	DAY ON TEST: 646
	DOSE: F1/50PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300192

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 1-2B]			
* Prostate, Dorsal/Lateral Lobe		Atrophy Inflammation	Moderate Chronic Active, Minimal
[Atrophy TGLS = 7-2]			
* Prostate, Ventral Lobe		Inflammation	Chronic Active, Moderate
* Seminal Vesicle		Atrophy Inflammation	Moderate Suppurative, Mild
[Atrophy TGLS = 3-2A]			
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 6-6A]			
* Spleen		Depletion Lymphoid	Moderate
[Depletion Lymphoid TGLS = 4-9]			
* Testes	Seminif Tub	Degeneration	Marked
[Degeneration TGLS = 2-15]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH	- UNCERTAIN
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 197

TRT#: 12

SEX: Male

DAY ON TEST: 646

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Coagulating Gland	* 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
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 6-3]			
* Brain, Cerebrum		Hydrocephalus	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
[Cyst TGLS = 2,3-11]		Nephropathy	Mild
* Liver	Capsule	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
[Fibrosis TGLS = 4-9]		Vacuolization Cytoplasmic	Mild
* Lung		Inflammation	Chronic, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Lactation	Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Preputial Gland	Duct	Dilatation	Marked
		Inflammation	Suppurative, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 197

TRT#: 12

SEX: Male

DAY ON TEST: 646

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300197

ORGAN AND ACCOUNTABLE SITE STATUS

[Dilatation TGLS = 1-2B]

[Inflammation TGLS = 1-2B]

* Prostate, Dorsal/Lateral Lobe

Inflammation

Suppurative, Moderate

* Prostate, Ventral Lobe

Inflammation

Suppurative, Mild

* Skin

Inflammation

Chronic Active, Marked

[Inflammation TGLS = 7-6A]

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 198 **TRT#:** 11 **SEX:** Male **DAY ON TEST:** 647
DOSE: F1 50PPB **DISP:** Moribund Sacrifice **HISTO:** 021380300198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Lymphoma Malignant	
* Intestine Large, Colon		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 8-11]			
* Liver		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 6-9]			
* Lung		Lymphoma Malignant	
Lymph Node	Axillary	Lymphoma Malignant	
	Lumbar	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 7-15A]			
[Lymphoma Malignant TGLS = 3-15]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 2-4]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 5-8]			
* Pancreas	Acinar Cell	Degeneration	Mild
		Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 198	TRT#: 11	SEX: Male	DAY ON TEST: 647
	DOSE: F1 50PPB	DISP: Moribund Sacrifice	HISTO: 021380300198

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Inflammation	Suppurative, Minimal
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-6A]			
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 4-9]			
* Testes	Seminif Tub	Degeneration	Mild
* Thymus			
Note: Wet tissue attempted			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Liver Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 200

TRT#: 8

SEX: Male

DAY ON TEST: 647

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Eye		Hemorrhage	Marked
		Inflammation	Suppurative, Marked
[Hemorrhage TGLS = 3-12]			
[Inflammation TGLS = 3-12]			
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
Note: TGL 5 - NCL			
[Nephropathy TGLS = 2-11]			
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Minimal
Note: TGL 4 - NCL			
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Dilatation	Moderate
		Inflammation	Suppurative, Marked
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-6A]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 201

TRT#: 14

SEX: Male

DAY ON TEST: 646

DOSE: F1/50PPB TO CTL

DISP: Natural Death

HISTO: 021380300201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis
* Esophagus	* Harderian Gland	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate, Ventral Lobe	* Rete Testes	* Skin
* Spleen	* Testes	* Thyroid Gland	* Trachea

MISSING

* Thymus

AUTO PRECLUDES DIAG.

* Coagulating Gland	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Kidney
* Liver	* Lymph Node, Mesenteric	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum		Adenocarcinoma	
[Adenocarcinoma TGLS = 1-8A]			
* Pancreas	Acinar Cell	Degeneration	Mild
* Preputial Gland	Duct	Dilatation	Moderate
		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Thymus			
Note: Wet tissue attempted			

PRIMARY CAUSE OF DEATH

- Intestine Small, Jejunum Adenocarcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 204

TRT#: 9

SEX: Male

DAY ON TEST: 650

DOSE: F1 2PPB

DISP: Natural Death

HISTO: 021380300204

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, Colon	* Kidney	* Liver
* Lymph Node, Mandibular	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Parathyroid Gland	* Rete Testes	* Thymus
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AUTO PRECLUDES DIAG.

* Bone Marrow	* Coagulating Gland	* Eye	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Pancreas	* Seminal Vesicle

OBSERVATIONS

* Epididymis		Atrophy	Mild
		Hypospermia	Marked
* Heart	Atrium	Dilatation	Mild
[Dilatation TGLS = 4-6]			
* Int Lg Cecum			
Note: TGL 3 - NCL			
* Int Sm Duoden			
Note: TGL 1 - NCL			
* Int Sm Ileum			
Note: TGL 1 - NCL			
* Int Sm Jejunum			
Note: TGL 1 - NCL			
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary GI			
Note: Recut attempted, No wet tissue attempt per pathologist			
* Nose		Polyp, Inflammatory	Marked
* Parathyroid GI			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 204	TRT#: 9	SEX: Male	DAY ON TEST: 650
	DOSE: F1 2PPB	DISP: Natural Death	HISTO: 021380300204

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Wet tissue attempted			
* Preputial Gland		Atrophy Infiltration Cellular	Mild Lymphocyte, Mild
* Prostate, Dorsal/Lateral Lobe		Atrophy Inflammation	Mild Suppurative, Mild
[Atrophy TGLS = 6-2]			
* Prostate, Ventral Lobe		Atrophy	Mild
* Rete Testes			
Note: No recut or wet tissue attempt per pathologist			
* Sem Ves			
Note: TGL 5 - NCL			
* Spleen		Depletion Lymphoid Pigmentation	Marked Moderate
* Stom Forestom			
Note: TGL 2 - NCL			
* Stom Gland			
Note: TGL 2 - NCL			
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus			
Note: Wet tissue attempted			

PRIMARY CAUSE OF DEATH	- UNCERTAIN
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 206

TRT#: 14

SEX: Male

DAY ON TEST: 654

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Parathyroid Gland	* Prostate, Dorsal/lateral Lobe
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Coagulating Gland		Atrophy	Moderate
* Eye		Cataract	
		Inflammation	Chronic Active, Moderate
Note: TGL 6 - noted grossly as Eye is Harderian Gland			
[Cataract TGLS = 5-12]			
[Inflammation TGLS = 5-12]			
* Harderian Gland		Squamous Cell Carcinoma	Deep Invasion
[Squamous Cell Carcinoma TGLS = 6-12]			
* Kidney		Nephropathy	Mild
* Liver		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Minimal
* Mammary GI			
Note: No recut or wet tissue attempt per pathologist			
* Nose			
Note: Squamous cell carcinoma observed in the nasal turbinates is recorded as Squamous cell carcinoma, Oral Mucosa.			
Oral Mucosa		Squamous Cell Carcinoma	
Note: Also located on slide 14 with the routine section of nasal turbinates.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 206

TRT#: 14

SEX: Male

DAY ON TEST: 654

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300206

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Carcinoma TGLS = 8-15]

* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Atrophy	Moderate
	Duct	Dilatation	Mild
		Inflammation	Suppurative, Moderate
		Keratin Cyst	

[Dilatation TGLS = 3-2B]

[Keratin Cyst TGLS = 3-2B]

* Seminal Vesicle		Atrophy	Moderate
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[Atrophy TGLS = 4-2A]

* Skin		Inflammation	Chronic Active, Marked
		Inflammation	Suppurative, Marked
		Keratin Cyst	

[Inflammation TGLS = 1-6A]

[Inflammation TGLS = 2-6B]

[Keratin Cyst TGLS = 2-6B]

* Spleen		Hematopoietic Cell Proliferation	Minimal
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		Pigmentation	Mild
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* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
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* Thymus		Atrophy	Marked
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Tongue		Inflammation	Chronic Active, Mild
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[Inflammation TGLS = 7-15A]

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

Animal Note: TGL 8 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 211

TRT#: 11
DOSE: F1 50PPB

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 653
HISTO: 021380300211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 2-11]			
* Liver		Basophilic Focus	
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland			
Note: Wet tissue attempted			
* Pancreas	Acinar Cell	Degeneration	Moderate
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 3-6A]			
* Spleen		Pigmentation	Mild
* Testes	Seminif Tub	Degeneration	Marked
[Degeneration TGLS = 1-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 211	TRT#: 11	SEX: Male	DAY ON TEST: 653
	DOSE: F1 50PPB	DISP: Moribund Sacrifice	HISTO: 021380300211

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Marked
Zymbal's Gland	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 4-15A+15B]		

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 215

TRT#: 12

SEX: Male

DAY ON TEST: 656

DOSE: F1/2PPB TO CTL

DISP: Natural Death

HISTO: 021380300215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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, Mandibular	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Harderian Gland [Squamous Cell Carcinoma TGLS = 5-12]		Squamous Cell Carcinoma	Deep Invasion
* Heart [Dilatation TGLS = 8-6]	Atrium	Cardiomyopathy Dilatation	Minimal Mild
* Kidney Note: TGL 9 - NCL		Nephropathy	Mild
* Lym Node Mand Note: TGL 1 - NCL			
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Minimal
* Mammary Gland [Adenoma TGLS = 4-6B]		Adenoma	
* Nose Note: Squamous cell carcinoma observed in the nasal turbinates is recorded as Squamous cell carcinoma, Oral Mucosa. Oral Mucosa Note: Also located on slide 14 with the routine section of nasal turbinates. [Squamous Cell Carcinoma TGLS = 7-15]		Inflammation Squamous Cell Carcinoma	Suppurative, Marked
* Preputial Gland	Duct	Dilatation	Minimal
		Inflammation	Suppurative, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 215

TRT#: 12

SEX: Male

DAY ON TEST: 656

DOSE: F1/2PPB TO CTL

DISP: Natural Death

HISTO: 021380300215

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	Hyperkeratosis Inflammation	Mild Chronic Active, Marked
Note: TGL 4 - noted grossly as Skin is Mammary Gland [Hyperkeratosis TGLS = 3-6C] [Inflammation TGLS = 2-6A]		
* Spleen	Depletion Lymphoid Pigmentation	Marked Moderate
* Thymus	Atrophy	Marked
* Thyroid Gland	Cyst	Squamous
Zymbal's Gland	Adenoma Inflammation	Suppurative, Marked
[Adenoma TGLS = 6-15A] [Inflammation TGLS = 6-15A]		

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

Animal Note: TGL 7 - noted grossly as Cavity is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 217	TRT#: 13	SEX: Male	DAY ON TEST: 659
	DOSE: F1/10PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* 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
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Prostate, Ventral Lobe	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 3-3]			
* Brain, Cerebrum		Hydrocephalus	Minimal
* Epididymis		Atrophy	Mild
		Hypospermia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Ectasia	Mild
		Lactation	Moderate
Oral Mucosa	Gingival	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 4-14B]			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 217	TRT#: 13	SEX: Male	DAY ON TEST: 659
	DOSE: F1/10PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300217

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-1]			
* Preputial Gland		Inflammation	Suppurative, Moderate
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Moderate
* Rete Testes		Fibrosis	Minimal
* Spleen		Pigmentation	Marked
[Pigmentation TGLS = 1-9]			
* Testes	Seminif Tub	Degeneration	Marked
* Thymus			
Note: Wet tissue attempted			
* Thyroid Gland		Cyst	Squamous

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: TGL 4 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 218

TRT#: 11
DOSE: F1 50PPB

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 661
HISTO: 021380300218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
* Lung		Sarcoma	Metastatic (Thymus)
[Sarcoma TGLS = 4,5-10A+10]			
* Lym Node Mesen			
Note: TGL 6 - NCL			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 3-15]			
* Parathyroid Gland		Adenoma	
* Preputial Gland	Duct	Dilatation	Marked
		Inflammation	Suppurative, Marked
[Dilatation TGLS = 1-2B]			
[Inflammation TGLS = 1-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Atrophy	Mild
* Spleen		Pigmentation	Moderate
* Thymus		Sarcoma	
[Sarcoma TGLS = 2-4A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 218

TRT#: 11

SEX: Male

DAY ON TEST: 661

DOSE: F1 50PPB

DISP: Moribund Sacrifice

HISTO: 021380300218

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Thymus Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 226

TRT#: 10

SEX: Male

DAY ON TEST: 667

DOSE: F1 10PPB

DISP: Natural Death

HISTO: 021380300226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis	* Esophagus
* Islets, Pancreatic	* Liver	* Nose	* Parathyroid Gland
* Prostate, Ventral Lobe	* Skin	* Testes	* Thyroid Gland
* Trachea			

MISSING

* Mammary Gland	* Rete Testes
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AUTO PRECLUDES DIAG.

* Bone Marrow	* Coagulating Gland	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Lung
* Lymph Node, Mesenteric	* Pancreas	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Urinary Bladder

OBSERVATIONS

* Brain, Brain Stem [Compression TGLS = 6-3]		Compression	Mild
* Heart		Cardiomyopathy	Mild
* Kidney Note: TGL 2 - NCL			
* Liver Note: TGL 3 - NCL			
* Lymph Node, Mandibular [Infiltration Cellular TGLS = 1-4]		Infiltration Cellular	Plasma Cell, Mild
* Mammary GI Note: Wet tissue attempted			
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Dilatation	Moderate
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Moderate
* Rete Testes			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 226

TRT#: 10

SEX: Male

DAY ON TEST: 667

DOSE: F1 10PPB

DISP: Natural Death

HISTO: 021380300226

ORGAN AND ACCOUNTABLE SITE STATUS

Note: No recut or wet tissue attempt per pathologist

* Spleen

Pigmentation

Mild

* Thyroid G1

Note: TGL 4 - NCL

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:42

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 233

TRT#: 10

SEX: Male

DAY ON TEST: 669

DOSE: F1 10PPB

DISP: Moribund Sacrifice

HISTO: 021380300233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Pituitary Gland	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Epididymis		Hypospermia	Marked
* Eye		Schwannoma Malignant	
* Harderian Gland		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 4-12]			
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Moderate
		Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 2-4]			
[Infiltration Cellular TGLS = 2-4]			
* Nose		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 5-14+14A]			
* Pancreas	Acinar Cell	Degeneration	Mild
* Preputial Gland	Duct	Dilatation	Moderate
		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 3-6A]			
* Testes	Seminif Tub	Degeneration	Marked
[Degeneration TGLS = 1-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 233	TRT#: 10	SEX: Male	DAY ON TEST: 669
	DOSE: F1 10PPB	DISP: Moribund Sacrifice	HISTO: 021380300233

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Marked
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland		Cyst	Squamous

PRIMARY CAUSE OF DEATH - Nose Schwannoma Malignant

Animal Note: TGL 5 - noted grossly as Cavity, oral is Nose

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 234

TRT#: 13

SEX: Male

DAY ON TEST: 669

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Mammary Gland
* Parathyroid Gland	* Prostate, Ventral Lobe	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Kidney		Nephropathy	Mild
Note: TGL 6 - NCL			
* Liver		Basophilic Focus	
Note: TGL 5 - NCL		Hematopoietic Cell Proliferation	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 7-4]		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 7-4]			
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Minimal
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 3-2B]		Inflammation	Suppurative, Marked
[Inflammation TGLS = 3-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 234	TRT#: 13	SEX: Male	DAY ON TEST: 669
	DOSE: F1/10PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300234

ORGAN AND ACCOUNTABLE SITE STATUS

* Rete Testes	Dilatation	Minimal
* Skin	Cyst Epithelial Inclusion	
	Inflammation	Suppurative, Marked
	Inflammation	Chronic Active, Marked
	Squamous Cell Carcinoma	

Note: TGL 2 also located on slide 2C
[Cyst Epithelial Inclusion TGLS = 1-6A]
[Inflammation TGLS = 1-6A]
[Inflammation TGLS = 8,9-6C+6D]
[Squamous Cell Carcinoma TGLS = 2-6B+2C]

* Spleen	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Minimal
	[Hematopoietic Cell Proliferation TGLS = 4-9]	
* Testes	Seminif Tub	Mild
* Thymus	Degeneration	Mild
	Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Skin Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 243

TRT#: 14

SEX: Male

DAY ON TEST: 675

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Coagulating Gland	* 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, Mesenteric
* Nose	* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 5-3]			
* Brain, Cerebrum		Hydrocephalus	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral, Renal Tubule	Adenoma	
		Nephropathy	Moderate
[Adenoma TGLS = 3,6-11]			
[Nephropathy TGLS = 3,6-11]			
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
		Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland		Ectasia	Minimal
		Lactation	Mild
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 243

TRT#: 14

SEX: Male

DAY ON TEST: 675

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300243

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Depletion Lymphoid Hemangiosarcoma	Moderate
[Hemangiosarcoma TGLS = 2-9]		
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 251

TRT#: 13

SEX: Male

DAY ON TEST: 677

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300251

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	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Marked
* Coagulating Gland		Carcinoma	Metastatic (Uncertain Primary Site)
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Hydronephrosis	Marked
		Nephropathy	Marked
[Cyst TGLS = 5-11A]			
[Hydronephrosis TGLS = 8-11]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
[Degeneration TGLS = 9,10,11-9]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
[Hyperplasia TGLS = 3-4]			
[Infiltration Cellular TGLS = 3-4]			
* Mammary Gland	Acinus	Degeneration	Moderate
Mesentery		Carcinoma	Metastatic (Uncertain Primary Site)
Note: Probable Lymph node			
[Carcinoma TGLS = 7-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 251	TRT#: 13	SEX: Male	DAY ON TEST: 677
	DOSE: F1/10PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300251

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 13-1]	Pars Distalis	Adenoma	
* Preputial Gland [Inflammation TGLS = 2-2B] [Squamous Cell Carcinoma TGLS = 2-2B]		Inflammation Squamous Cell Carcinoma	Suppurative, Marked
* Prostate, Dorsal/Lateral Lobe		Carcinoma Inflammation	Metastatic (Uncertain Primary Site) Suppurative, Moderate
* Seminal Vesicle [Carcinoma TGLS = 6-2A]		Carcinoma	Metastatic (Uncertain Primary Site)
* Skin [Fibroma TGLS = 1-6A] [Inflammation TGLS = 12-6B]		Fibroma Inflammation	Chronic Active, Marked
* Spleen [Hematopoietic Cell Proliferation TGLS = 4-9]		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous

PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 255

TRT#: 12

SEX: Male

DAY ON TEST: 681

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mesenteric	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
* Liver		Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroma	
Mesentery	Fat	Necrosis	Marked
* Nose	Vomeronas Org	Dilatation	Moderate
		Exudate	Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe		Hyperplasia	Minimal
* Skin		Inflammation	Chronic Active, Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Seminif Tub	Degeneration	Mild
* Thymus	Epithel Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 255

TRT#: 12

SEX: Male

DAY ON TEST: 681

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300255

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:42

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 259

TRT#: 11

SEX: Male

DAY ON TEST: 682

DOSE: F1 50PPB

DISP: Moribund Sacrifice

HISTO: 021380300259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 3-4]			
* Mammary Gland			
Note: No recut or wet tissue attempt per pathologist			
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Suppurative, Mild
[Dilatation TGLS = 1-2B]			
[Inflammation TGLS = 1-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Skin		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 2-6A]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 259	TRT#: 11	SEX: Male	DAY ON TEST: 682
	DOSE: F1 50PPB	DISP: Moribund Sacrifice	HISTO: 021380300259

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Skin Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 261

TRT#: 11

SEX: Male

DAY ON TEST: 685

DOSE: F1 50PPB

DISP: Natural Death

HISTO: 021380300261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* Epididymis	* Harderian Gland	* Islets, Pancreatic
* Kidney	* Liver	* Lung	* Parathyroid Gland
* Pituitary Gland	* Prostate, Ventral Lobe	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Rete Testes

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Pancreas
* Seminal Vesicle	* Stomach, Glandular		

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Esophagus		Hyperkeratosis	Minimal
* Heart		Cardiomyopathy	Minimal
Lymph Node	Inguinal	Infiltration Cellular	Plasma Cell, Marked
[Infiltration Cellular TGLS = 4-6B]			
* Lymph Node, Mandibular		Degeneration	Cystic, Moderate
[Degeneration TGLS = 2-4]			
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Nose		Inflammation	Suppurative, Moderate
Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 5-15]			
* Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Suppurative, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 261

TRT#: 11

SEX: Male

DAY ON TEST: 685

DOSE: F1 50PPB

DISP: Natural Death

HISTO: 021380300261

ORGAN AND ACCOUNTABLE SITE STATUS

[Dilatation TGLS = 3-2B]

[Inflammation TGLS = 3-2B]

* Prostate, Dorsal/Lateral Lobe

Inflammation

Suppurative, Minimal

* Rete Testes

Note: No recut or wet tissue attempt per pathologist

* Skin

Inflammation

Chronic Active, Marked

Note: TGL 4 - noted grossly as Skin is Lymph Node, inguinal

[Inflammation TGLS = 1-6A]

* Thymus

Note: Wet tissue attempted

PRIMARY CAUSE OF DEATH

- Oral Mucosa Squamous Cell Carcinoma

Animal Note: TGL 5 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 263 **TRT#:** 9 **SEX:** Male **DAY ON TEST:** 688
DOSE: F1 2PPB **DISP:** Moribund Sacrifice **HISTO:** 021380300263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
	Atrium	Dilatation	Marked
	[Cardiomyopathy TGLS = 2-6A]		
	[Dilatation TGLS = 2-6A]		
* Kidney		Cyst	
		Nephropathy	Mild
	[Cyst TGLS = 1-11]		
* Liver	Biliar Tract	Fibrosis	Minimal
	Oval Cell	Hyperplasia	Mild
		Keratin Cyst	
	Oral Mucosa		
	[Keratin Cyst TGLS = 3-14]		
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Suppurative, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Marked
* Prostate, Ventral Lobe		Inflammation	Suppurative, Marked
* Spleen		Hematopoietic Cell Proliferation	Marked
		Pigmentation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 263

TRT#: 9

SEX: Male

DAY ON TEST: 688

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300263

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL 3 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 264

TRT#: 10

SEX: Male

DAY ON TEST: 688

DOSE: F1 10PPB

DISP: Moribund Sacrifice

HISTO: 021380300264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Epididymis	* 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, Mesenteric	* Parathyroid Gland	* Pituitary Gland	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

OBSERVATIONS

* Coagulating Gland		Atrophy	Moderate
* Esophagus		Hyperkeratosis	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland	Duct	Ectasia	Marked
		Ectasia	Moderate
	Alveolus	Hyperplasia	Mild
	Duct	Inflammation	Chronic Active, Moderate
	[Ectasia TGLS = 1-15]		
	[Inflammation TGLS = 1-15]		
* Nose		Inflammation	Suppurative, Mild
Note: Squamous cell carcinoma observed in the nasal turbinates is recorded as Squamous cell carcinoma, Oral Mucosa.			
Oral Mucosa		Squamous Cell Carcinoma	
Note: Also located on slide 14 with the routine section of nasal turbinates.			
	[Squamous Cell Carcinoma TGLS = 2-15A]		
* Pancreas	Acinar Cell	Degeneration	Minimal
* Preputial Gland	Duct	Dilatation	Minimal
		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 264	TRT#: 10	SEX: Male	DAY ON TEST: 688
	DOSE: F1 10PPB	DISP: Moribund Sacrifice	HISTO: 021380300264

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate, Dorsal/Lateral Lobe	Inflammation	Suppurative, Mild
* Seminal Vesicle	Atrophy	Moderate
* Spleen	Pigmentation	Moderate
* Thymus	Atrophy	Marked
* Thyroid Gland	C Cell Adenoma	

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

Animal Note: TGL 1 - noted grossly as Lymph Node, inguinal is Mammary Gland

Animal Note: TGL 2 - noted grossly as Bone is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 271

TRT#: 11

SEX: Male

DAY ON TEST: 689

DOSE: F1 50PPB

DISP: Moribund Sacrifice

HISTO: 021380300271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* 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	* Kidney
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

INSUFFICIENT TISSUE

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Coagulating Gland		Atrophy	Moderate
* Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 2-9]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Acinus	Degeneration	Moderate
Oral Mucosa		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLS = 3-15]		
* Parathyroid Gland			
Note: Recut attempted			
* Pituitary Gland	Pars Distalis	Cyst	
* Preputial Gland		Atrophy	Mild
		Infiltration Cellular	Lymphocyte, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Seminal Vesicle		Atrophy	Moderate
* Skin		Cyst Epithelial Inclusion	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 271	TRT#: 11	SEX: Male	DAY ON TEST: 689
	DOSE: F1 50PPB	DISP: Moribund Sacrifice	HISTO: 021380300271

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst Epithelial Inclusion TGLS = 1-6A]	Inflammation	Suppurative, Marked
[Inflammation TGLS = 1-6A]		
* Spleen	Pigmentation	Moderate
* Thymus	Atrophy	Marked
	Hyperplasia	Mild
* Thyroid Gland	Epithel Cell	
	C Cell	Hyperplasia
		Minimal

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

Animal Note: TGL 3 - noted grossly as Bone is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 274

TRT#: 8

SEX: Male

DAY ON TEST: 688

DOSE: F1 0PPB

DISP: Natural Death

HISTO: 021380300274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Coagulating Gland	* Epididymis	* Esophagus
* Preputial Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Salivary Glands
* Skin	* Trachea		

MISSING

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

AUTO PRECLUDES DIAG.

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lung	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Pituitary Gland	* Rete Testes
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Urinary Bladder

OBSERVATIONS

* Heart	Cardiomyopathy	Mild
* Kidney Note: TGL 4 - NCL		
* Lymph Node, Mandibular [Infiltration Cellular TGLS = 2-4]	Infiltration Cellular	Plasma Cell, Mild
* Mammary GI Note: Wet tissue attempted Oral Mucosa [Squamous Cell Carcinoma TGLS = 3-14]	Squamous Cell Carcinoma	
* Parathyroid GI Note: Recut attempted		
* Sem Ves Note: TGL 1 - NCL		

PRIMARY CAUSE OF DEATH

- Oral Mucosa Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:42

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 274

TRT#: 8

SEX: Male

DAY ON TEST: 688

DOSE: F1 0PPB

DISP: Natural Death

HISTO: 021380300274

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL 3 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 285

TRT#: 12

SEX: Male

DAY ON TEST: 695

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300285

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Parathyroid Gland
* Preputial Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 1-2A]			
* Eye		Inflammation	Suppurative, Marked
[Inflammation TGLS = 4,5-12]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Cholangiocarcinoma	
	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
[Cholangiocarcinoma TGLS = 2-9]			
* Lung			
Note: TGL 7 - NCL			
Lymph Node	Renal	Degeneration	Cystic, Moderate
[Degeneration TGLS = 3-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Nose		Inflammation	Suppurative, Mild
Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 6-14]			
* Pancreas	Acinar Cell	Degeneration	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 285	TRT#: 12	SEX: Male	DAY ON TEST: 695
	DOSE: F1/2PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300285

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Seminal Vesicle	Lumen	Dilatation	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Cholangiocarcinoma

Animal Note: TGL 6 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 286

TRT#: 9

SEX: Male

DAY ON TEST: 696

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300286

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
* Lymph Node, Mesenteric	* Nose	* Pituitary Gland	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

INSUFFICIENT TISSUE

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Coagulating Gland		Developmental Malformation	
	[Developmental Malformation TGLS = 2-2A]		
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Squamous Cell Carcinoma	Metastatic (Preputial Gland)
	[Squamous Cell Carcinoma TGLS = 5-10]		
Lymph Node	Renal	Degeneration	Cystic, Mild
	Renal	Infiltration Cellular	Plasma Cell, Moderate
	[Degeneration TGLS = 4-15]		
	[Infiltration Cellular TGLS = 4-15]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Acinus	Degeneration	Minimal
* Pancreas	Acinar Cell	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 286	TRT#: 9	SEX: Male	DAY ON TEST: 696
	DOSE: F1 2PPB	DISP: Moribund Sacrifice	HISTO: 021380300286

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland Note: Recut attempted			
* Preputial Gland [Squamous Cell Carcinoma TGLS = 1-6A]		Squamous Cell Carcinoma	
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Moderate
* Seminal Vesicle	Lumen	Dilatation	Moderate
* Skin Note: TGL 1 - noted grossly as Skin is Preputial Gland			
* Spleen [Hematopoietic Cell Proliferation TGLS = 3-9] [Infiltration Cellular TGLS = 3-9]		Hematopoietic Cell Proliferation Infiltration Cellular	Marked Polymorphnuclr, Marked
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 287

TRT#: 10

SEX: Male

DAY ON TEST: 696

DOSE: F1 10PPB

DISP: Moribund Sacrifice

HISTO: 021380300287

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mesenteric	* Parathyroid Gland	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 3-4]			
* Mammary Gland			
Note: No recut or wet tissue per pathologist			
* Nose	Mucosa	Keratin Cyst	
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Suppurative, Marked
[Inflammation TGLS = 1,2-6A+2B]			
[Squamous Cell Carcinoma TGLS = 1,2-6A+2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Inflammation	Suppurative, Minimal
* Skin			
Note: TGL 1 - noted grossly as Skin is Preputial Gland			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 287	TRT#: 10	SEX: Male	DAY ON TEST: 696
	DOSE: F1 10PPB	DISP: Moribund Sacrifice	HISTO: 021380300287

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Hematopoietic Cell Proliferation TGLS = 4-9]		Hematopoietic Cell Proliferation	Mild
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 290

TRT#: 8

SEX: Male

DAY ON TEST: 702

DOSE: F1 0PPB

DISP: Natural Death

HISTO: 021380300290

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Cerebellum	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Rectum	* Islets, Pancreatic	* Liver	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Prostate, Ventral Lobe	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
Urethra			

MISSING

* Mammary Gland	* Rete Testes
-----------------	---------------

AUTO PRECLUDES DIAG.

* Coagulating Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Seminal Vesicle

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Minimal
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 8-3]			
* Brain, Cerebrum		Hydrocephalus	Minimal
* Coagulat GI			
Note: TGL 10 - NCL			
* Eye	Bilateral	Cataract	
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Moderate
[Cyst TGLS = 3-11A]			
* Liver			
Note: TGL 6 - NCL			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Hyperplasia TGLS = 4-4]			
[Infiltration Cellular TGLS = 4-4]			
* Mammary GI			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 290 **TRT#:** 8 **SEX:** Male **DAY ON TEST:** 702
DOSE: F1 0PPB **DISP:** Natural Death **HISTO:** 021380300290

ORGAN AND ACCOUNTABLE SITE STATUS

Note: No recut or wet tissue per pathologist

Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 11-14]			
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Preputial Gland	Duct	Dilatation	Moderate
		Inflammation	Suppurative, Marked
[Dilatation TGLS = 1-2B]			
[Inflammation TGLS = 1-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Rete Testes			
Note: No recut or wet tissue attempt per pathologist			
* Sem Ves			
Note: TGL 2 - NCL			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
		Cyst	Squamous
Urethra			
Note: TGL 5 - NCL			
* Urinary Bladder		Dilatation	Marked
[Dilatation TGLS = 9-11]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: TGL 11 - noted grossly as Cavity, oral is Oral Mucosa

Animal Note: TGL 5 - noted grossly as Lymph Node, iliac is Urethra, bulbourethral gland

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:42

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 301

TRT#: 11

SEX: Male

DAY ON TEST: 702

DOSE: F1 50PPB

DISP: Moribund Sacrifice

HISTO: 021380300301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	Peripheral Nerve	* Preputial Gland
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

Spinal Cord

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
Lacrimal Gland		Ectopic Harderian	Moderate
[Ectopic Harderian TGLS = 2-15A]			
* Liver		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 3-15]			
Perph Nerve			
Note: Tissue located on slide 15B.			
Note: Removal observations indicated posterior paralysis. Tissue processed per NTP SOW.			
* Pituitary Gland	Pars Intermed	Cyst	
	Pars Distalis	Hyperplasia	Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 301	TRT#: 11	SEX: Male	DAY ON TEST: 702
	DOSE: F1 50PPB	DISP: Moribund Sacrifice	HISTO: 021380300301

ORGAN AND ACCOUNTABLE SITE STATUS

Skel Muscle

Note: Removal observations indicated posterior paralysis. Tissue processed per NTP SOW.

Note: Tissue located on slide 15B.

* Skin

Epidermis

Hyperkeratosis

Mild

Hyperplasia

Mild

[Hyperkeratosis TGLS = 1-6A]

[Hyperplasia TGLS = 1-6A]

Spinal Cord

Note: Tissue located on slide 15B.

Note: Removal observations indicated posterior paralysis. Tissue processed per NTP SOW.

* Spleen

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: TGL 3 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 303

TRT#: 8

SEX: Male

DAY ON TEST: 704

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Coagulating Gland	* 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	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Kidney		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 4-11]			
* Liver		Degeneration	Cystic, Minimal
		Hematopoietic Cell Proliferation	Mild
		Vacuolization Cytoplasmic	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 5-10]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Acinus	Degeneration	Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Preputial Gland		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 1,2-6A+2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe		Inflammation	Suppurative, Minimal
* Skin			
Note: TGL 1 - noted grossly as Skin is Preputial Gland			
* Spleen		Hematopoietic Cell Proliferation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 303	TRT#: 8	SEX: Male	DAY ON TEST: 704
	DOSE: F1 0PPB	DISP: Moribund Sacrifice	HISTO: 021380300303

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 3-9]

* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 304	TRT#: 9	SEX: Male	DAY ON TEST: 704
	DOSE: F1 2PPB	DISP: Moribund Sacrifice	HISTO: 021380300304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* 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	* Lung	* Nose	* Parathyroid Gland
* Prostate, Dorsal/lateral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain, Cerebrum		Granular Cell Tumor Benign	
* Coagulating Gland		Atrophy	Moderate
[Atrophy TGLS = 3-2A]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Marked
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Mild
		Necrosis	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 1-4]			
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Minimal
* Mammary Gland	Acinus	Degeneration	Moderate
Oral Mucosa		Sarcoma	
[Sarcoma TGLS = 2-15]			
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Prostate, Ventral Lobe		Hyperplasia	Minimal
* Spleen		Necrosis	Mild
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:42

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 304

TRT#: 9

SEX: Male

DAY ON TEST: 704

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300304

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Oral Mucosa Sarcoma

Animal Note: TGL 2 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 305

TRT#: 11

SEX: Male

DAY ON TEST: 703

DOSE: F1 50PPB

DISP: Moribund Sacrifice

HISTO: 021380300305

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	Bone	* Bone, Femur	* Brain, Cerebellum
* Brain, Cerebrum	* Coagulating Gland	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Parathyroid Gland	* Rete Testes	* Salivary Glands
* Stomach, Forestomach	* Testes	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Hypertrophy	Mild
* Adrenal Medulla	Hyperplasia	Mild
Bone		
Note: TGL 14 - NCL		
* Bone Marrow	Lymphoma Malignant	
* Brain, Brain Stem	Lymphoma Malignant	
* Epididymis	Lymphoma Malignant	
* Esophagus	Hyperkeratosis	Minimal
* Eye	Lymphoma Malignant	
* Harderian Gland	Lymphoma Malignant	
* Heart	Cardiomyopathy	Minimal
* Intestine Large, Cecum	Lymphoma Malignant	
* Intestine Large, Colon	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 12-7]		
* Intestine Small, Ileum	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 11,16-7]		
* Intestine Small, Jejunum	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 15-8]		
* Kidney	Lymphoma Malignant	
	Nephropathy	Mild
Lacrimal Gland	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 1-15]		
* Liver	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 5,6-9]		
* Lung	Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 305	TRT#: 11	SEX: Male	DAY ON TEST: 703
	DOSE: F1 50PPB	DISP: Moribund Sacrifice	HISTO: 021380300305

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Pancreatic	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 8-15B]			
[Lymphoma Malignant TGLS = 7-15A]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 2-4]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 10-8]			
* Mammary Gland		Lymphoma Malignant	
* Nose		Lymphoma Malignant	
* Pancreas		Lymphoma Malignant	
* Parathyroid Gland			
Note: TGL 17 - NCL			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Lymphoma Malignant	
* Preputial Gland		Inflammation	Suppurative, Mild
		Lymphoma Malignant	
* Prostate, Dorsal/Lateral Lobe		Lymphoma Malignant	
* Prostate, Ventral Lobe		Lymphoma Malignant	
* Seminal Vesicle		Atrophy	Mild
[Atrophy TGLS = 13-2A]			
* Skin		Cyst Epithelial Inclusion	
		Lymphoma Malignant	
[Cyst Epithelial Inclusion TGLS = 9-6A]			
* Spleen		Lymphoma Malignant	
		Necrosis	Marked
[Lymphoma Malignant TGLS = 3-9A]			
[Necrosis TGLS = 4-9A]			
* Stomach, Glandular		Edema	Moderate
	Epithelium	Hyperplasia	Mild
[Edema TGLS = 18-7A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 305	TRT#: 11	SEX: Male	DAY ON TEST: 703
	DOSE: F1 50PPB	DISP: Moribund Sacrifice	HISTO: 021380300305

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 18-7A]

* Thymus		Lymphoma Malignant	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH - Liver Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 310

TRT#: 10

SEX: Male

DAY ON TEST: 709

DOSE: F1 10PPB

DISP: Moribund Sacrifice

HISTO: 021380300310

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Brain, Brain Stem		Compression	Moderate
	[Compression TGLS = 5-3]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Marked
	[Polycystic Kidney TGLS = 2,3-11]	Polycystic Kidney	Marked
* Lung		Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLS = 7-10]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
	[Infiltration Cellular TGLS = 4-4]		
* Mammary Gland		Ectasia	Mild
		Lactation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-1]		
* Preputial Gland		Inflammation	Suppurative, Marked
		Squamous Cell Carcinoma	
	[Inflammation TGLS = 1-2C]		
	[Squamous Cell Carcinoma TGLS = 1-2C]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 310	TRT#: 10	SEX: Male	DAY ON TEST: 709
	DOSE: F1 10PPB	DISP: Moribund Sacrifice	HISTO: 021380300310

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate, Dorsal/Lateral Lobe [Inflammation TGLS = 8-2]		Inflammation	Suppurative, Moderate
* Prostate, Ventral Lobe		Inflammation	Suppurative, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 317

TRT#: 14

SEX: Male

DAY ON TEST: 715

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300317

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebrum	* Coagulating Gland	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Rete Testes

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
Bone	Cranium, Nerve	Squamous Cell Carcinoma	Deep Invasion
	[Squamous Cell Carcinoma TGLS = 7-15A]		
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Brain, Cerebellum		Gliosis	Minimal
		Hemorrhage	Minimal
* Eye	Retina	Degeneration	Marked
	[Degeneration TGLS = 4-12]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
	[Cyst TGLS = 2-11]		
* Liver		Inflammation	Chronic Active, Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLS = 3-10]		
Lymph Node			
	Note: TGL 6 - NCL (mediastinal, enlarged)		
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 317	TRT#: 14	SEX: Male	DAY ON TEST: 715
	DOSE: F1/50PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300317

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLS = 1-4] [Hyperplasia TGLS = 1-4] [Infiltration Cellular TGLS = 1-4]		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Moderate
* Mammary Gland	Acinus	Degeneration	Minimal
* Nose		Inflammation	Suppurative, Moderate
Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 5-14]			
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Intermed	Cyst	
	Pars Distalis	Hyperplasia	Moderate
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Inflammation	Suppurative, Minimal
* Rete Testes			
Note: No recut or wet tissue per pathologist			
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 8-6A]			
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

Animal Note: TGL 5 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 324

TRT#: 9

SEX: Male

DAY ON TEST: 716

DOSE: F1 2PPB

DISP: Natural Death

HISTO: 021380300324

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Islets, Pancreatic	* Nose
* Prostate, Ventral Lobe	* Salivary Glands	* Stomach, Forestomach	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Intestine Large, Rectum	* Parathyroid Gland	* Rete Testes
---------------------------	---------------------	---------------

AUTO PRECLUDES DIAG.

* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mesenteric	* Seminal Vesicle	* Stomach, Glandular	

OBSERVATIONS

* Brain, Brain Stem [Compression TGLS = 4-3]		Compression	Mild
* Heart	Atrium	Dilatation	Marked
* Int Lg Rectum Note: Wet tissue attempted			
* Kidney		Nephropathy	Minimal
* Liver [Angiectasis TGLS = 6-9]		Angiectasis	Marked
* Lung Note: TGL 5 - NCL			
* Lymph Node, Mandibular [Infiltration Cellular TGLS = 2-4]		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Lactation	Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gl Note: Recut attempted			
* Pituitary Gland [Adenoma TGLS = 3-1]	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 324	TRT#: 9	SEX: Male	DAY ON TEST: 716
	DOSE: F1 2PPB	DISP: Natural Death	HISTO: 021380300324

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Dorsal/Lateral Lobe	Inflammation	Suppurative, Mild
* Rete Testes		
Note: No recut or wet tissue attempt per pathologist		
* Skin	Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-6A]		
* Spleen	Pigmentation	Mild
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 326

TRT#: 12

SEX: Male

DAY ON TEST: 719

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300326

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Coagulating Gland	* 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, Mesenteric
* Nose	* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain, Brain Stem		Compression	Minimal
		Hemorrhage	Mild
[Compression TGLS = 3-3]			
[Hemorrhage TGLS = 3-3]			
* Brain, Cerebrum		Reticulosis Malignant	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 5-4]			
* Mammary Gland	Acinus	Degeneration	Moderate
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Preputial Gland	Duct	Dilatation	Marked
		Inflammation	Suppurative, Moderate
[Dilatation TGLS = 1-2B]			
[Inflammation TGLS = 1-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Moderate
* Skin		Inflammation	Chronic Active, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 326

TRT#: 12

SEX: Male

DAY ON TEST: 719

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300326

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 4-6A]

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 336

TRT#: 13

SEX: Male

DAY ON TEST: 725

DOSE: F1/10PPB TO CTL

DISP: Natural Death

HISTO: 021380300336

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

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

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Brain, Brain Stem		Compression	Mild
		Hemorrhage	Mild
[Compression TGLS = 10-3]			
[Hemorrhage TGLS = 10-3]			
* Coagulating Gland		Inflammation	Suppurative, Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 12-9]			
* Lym Node Mesen			
Note: TGL 9 - NCL			
Lymph Node	Lumbar	Degeneration	Cystic, Mild
	Renal	Degeneration	Cystic, Marked
	Lumbar	Hyperplasia	Lymphoid, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
	Mediastinal	Infiltration Cellular	Plasma Cell, Mild
	Renal	Infiltration Cellular	Plasma Cell, Marked
[Degeneration TGLS = 4-15]			
[Degeneration TGLS = 6-15B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 336

TRT#: 13

SEX: Male

DAY ON TEST: 725

DOSE: F1/10PPB TO CTL

DISP: Natural Death

HISTO: 021380300336

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 4-15]			
[Infiltration Cellular TGLS = 5-15A]			
[Infiltration Cellular TGLS = 4-15]			
[Infiltration Cellular TGLS = 6-15B]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland		Ectasia	Mild
		Lactation	Mild
Note: TGL 2 - noted grossly as Mammary Gland is Skin			
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Preputial Gland		Inflammation	Suppurative, Moderate
		Squamous Cell Carcinoma	
[Inflammation TGLS = 3-2C]			
[Squamous Cell Carcinoma TGLS = 11-2C]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Moderate
* Prostate, Ventral Lobe		Inflammation	Suppurative, Moderate
* Skin		Abscess	Marked
		Inflammation	Chronic Active, Marked
[Abscess TGLS = 2-6A]			
[Inflammation TGLS = 8-6B]			
* Spleen		Pigmentation	Mild
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 340

TRT#: 12

SEX: Male

DAY ON TEST: 725

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300340

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 Small, Duodenum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	Oral Mucosa	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Rete Testes	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Adrenal Medulla		Hyperplasia	Minimal
* Coagulating Gland		Atrophy	Mild
* Epididymis		Atrophy	Moderate
		Hypospermia	Marked
* Intestine Large, Cecum		Dilatation	Marked
* Intestine Large, Colon		Dilatation	Marked
	[Dilatation TGLS = 6-7A]		
* Intestine Large, Rectum		Dilatation	Marked
* Intestine Small, Ileum		Dilatation	Marked
	[Dilatation TGLS = 7-7A]		
* Intestine Small, Jejunum		Dilatation	Mild
* Kidney		Cyst	
		Nephropathy	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
	[Hyperplasia TGLS = 8-10]		
	[Infiltration Cellular TGLS = 8-10]		
* Lymph Node, Mesenteric		Degeneration	Cystic, Mild
	[Degeneration TGLS = 9-8A]		
* Mammary Gland	Acinus	Degeneration	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 340	TRT#: 12	SEX: Male	DAY ON TEST: 725
	DOSE: F1/2PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300340

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Suppurative, Mild
Oral Mucosa			
Note: TGL 5 - NCL			
* Pancreas	Acinar Cell	Degeneration	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Preputial Gland	Duct	Dilatation	Moderate
		Inflammation	Suppurative, Marked
Note: TGL 3 - NCL			
[Dilatation TGLS = 4-2B]			
[Inflammation TGLS = 4-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Inflammation	Chronic Active, Minimal
* Rete Testes			
Note: No recut or wet tissue per pathologist			
* Seminal Vesicle		Atrophy	Moderate
[Atrophy TGLS = 2-2A]			
* Spleen		Pigmentation	Marked
* Testes	Seminif Tub	Degeneration	Marked
[Degeneration TGLS = 1-15]			
* Thymus			
Note: Wet tissue attempted			

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: TGL 5 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 347

TRT#: 13

SEX: Male

DAY ON TEST: 730

DOSE: F1/10PPB TO CTL

DISP: Natural Death

HISTO: 021380300347

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Rectum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea		

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Seminal Vesicle		

OBSERVATIONS

* Brain, Brain Stem [Compression TGLS = 4-3]		Compression	Marked
* Coagulating Gland [Developmental Malformation TGLS = 5-2A]		Developmental Malformation	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
* Lym Node Mand Note: TGL 2 - NCL			
* Mammary Gland		Ectasia	Mild
		Lactation	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland [Adenoma TGLS = 3-1]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Suppurative, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 347

TRT#: 13

SEX: Male

DAY ON TEST: 730

DOSE: F1/10PPB TO CTL

DISP: Natural Death

HISTO: 021380300347

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Inflammation TGLS = 1-6A]	Inflammation	Chronic Active, Marked
* Thymus	Atrophy	Marked
* Urinary Bladder [Dilatation TGLS = 6-11A]	Dilatation	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 348

TRT#: 13

SEX: Male

DAY ON TEST: 729

DOSE: F1/10PPB TO CTL

DISP: Natural Death

HISTO: 021380300348

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis
* Esophagus	* Harderian Gland	* Islets, Pancreatic	* Parathyroid Gland
* Prostate, Ventral Lobe	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Rete Testes

AUTO PRECLUDES DIAG.

* Adrenal Cortex	* Coagulating Gland	* Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mesenteric	* Seminal Vesicle
* Stomach, Glandular			

OBSERVATIONS

* Coagulat GI			
Note: TGL 5 - NCL			
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 3-11]			
* Liver		Eosinophilic Focus	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 2-4]			
* Mammary Gland	Acinus	Degeneration	Mild
* Nose	Mucosa	Keratin Cyst	
* Pancreas	Acinar Cell	Degeneration	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Abscess	Marked
	Duct	Dilatation	Marked
[Abscess TGLS = 1-2B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 348	TRT#: 13	SEX: Male	DAY ON TEST: 729
	DOSE: F1/10PPB TO CTL	DISP: Natural Death	HISTO: 021380300348

ORGAN AND ACCOUNTABLE SITE STATUS

[Dilatation TGLS = 1-2B]

* Prostate, Dorsal/Lateral Lobe	Inflammation	Suppurative, Mild
* Rete Testes		
Note: No recut or wet tissue per pathologist		
* Thymus	Atrophy	Moderate
* Thyroid G1		
Note: TGL 4 - NCL		

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 356

TRT#: 8

SEX: Male

DAY ON TEST: 730

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300356

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Parathyroid Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
Note: TGL 8 - NCL			
* Kidney		Cyst	
[Cyst TGLS = 7-11]		Nephropathy	Mild
* Liver		Vacuolization Cytoplasmic	Minimal
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 3-4]			
* Mammary Gland	Acinus	Degeneration	Moderate
[Fibroma TGLS = 4-6A]		Fibroma	
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland	Duct	Dilatation	Moderate
		Inflammation	Suppurative, Marked
[Dilatation TGLS = 2-2B]		Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 356

TRT#: 8

SEX: Male

DAY ON TEST: 730

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300356

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 2-2B]

[Squamous Cell Carcinoma TGLS = 1-2B]

* Spleen

Hematopoietic Cell Proliferation

Mild

[Hematopoietic Cell Proliferation TGLS = 6-9]

* Testes

Seminif Tub

Degeneration

Marked

[Degeneration TGLS = 5-15]

* Thymus

Atrophy

Marked

* Thyroid G1

Note: TGL 9 - NCL

PRIMARY CAUSE OF DEATH

- Preputial Gland Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 359

TRT#: 10
DOSE: F1 10PPB

SEX: Male
DISP: Natural Death

DAY ON TEST: 737
HISTO: 021380300359

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Harderian Gland	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Stomach, Forestomach	* Testes
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	* Seminal Vesicle	* Spleen	* Stomach, Glandular
* Thymus			

OBSERVATIONS

* Brain, Brain Stem		Compression	Moderate
		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Mild
* Liver		Mixed Cell Focus	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland		Ectasia	Mild
		Lactation	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-1]		
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Skin		Inflammation	Chronic Active, Marked
	[Inflammation TGLS = 1-6A]		
* Thymus			
	Note: TGL 3 - NCL		
* Thyroid Gland		Cyst	Squamous

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 359

TRT#: 10

SEX: Male

DAY ON TEST: 737

DOSE: F1 10PPB

DISP: Natural Death

HISTO: 021380300359

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 360

TRT#: 9

SEX: Male

DAY ON TEST: 737

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300360

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Liver
* Lymph Node, Mandibular	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node		Degeneration	Cystic, Moderate
[Degeneration TGLS = 3-15]			
* Lymph Node, Mesenteric		Degeneration	Cystic, Mild
		Inflammation	Granulomatous, Mild
* Mammary Gland	Acinus	Degeneration	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Preputial Gland		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 2-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Skin		Inflammation	Chronic Active, Mild
	Epidermis	Necrosis	Mild
[Inflammation TGLS = 1-6A]			
[Necrosis TGLS = 1-6A]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:42

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 360

TRT#: 9

SEX: Male

DAY ON TEST: 737

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300360

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

Animal Note: TGL 3 - noted grossly as Skeletal Muscle is Lymph Node

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 361

TRT#: 10

SEX: Male

DAY ON TEST: 737

DOSE: F1 10PPB

DISP: Moribund Sacrifice

HISTO: 021380300361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nose	* Parathyroid Gland
* Rete Testes	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain, Brain Stem		Compression	Minimal
[Compression TGLS = 6-3]			
* Heart		Cardiomyopathy	Minimal
Note: TGL 4 - NCL			
* Intestine Large, Cecum		Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 8-8]			
* Kidney		Nephropathy	Moderate
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 9-9]			
Lymph Node	Lumbar	Degeneration	Cystic, Minimal
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 3-15]			
[Infiltration Cellular TGLS = 3-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Plasma Cell, Marked
[Hyperplasia TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Duct	Dilatation	Minimal
		Lactation	Minimal
* Pancreas	Acinar Cell	Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 361

TRT#: 10
DOSE: F1 10PPB

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 737
HISTO: 021380300361

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 7-1]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Suppurative, Marked
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Carcinoma	
* Skin		Abscess	Marked
		Foreign Body	
		Inflammation	Chronic Active, Marked
		Keratoacanthoma	
[Abscess TGLS = 10-14]			
[Foreign Body TGLS = 5-6B]			
[Inflammation TGLS = 5-6B]			
[Keratoacanthoma TGLS = 2-6A]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 362

TRT#: 12

SEX: Male

DAY ON TEST: 737

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Int Lg Cecum			
Note: TGL 10 - NCL			
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
Note: TGL 8 - NCL			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 6-10]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland	Acinus	Degeneration	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
Penis		Squamous Cell Carcinoma	Metastatic (Preputial Gland)
[Squamous Cell Carcinoma TGLS = 4-15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Preputial Gland		Inflammation	Suppurative, Marked
Note: TGL 2 - NCL		Squamous Cell Carcinoma	
[Inflammation TGLS = 3-2B]			
[Squamous Cell Carcinoma TGLS = 3-2B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 362

TRT#: 12

SEX: Male

DAY ON TEST: 737

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300362

ORGAN AND ACCOUNTABLE SITE STATUS

* Pros, Ven Lobe

Note: TGL 9 - NCL

* Prostate, Dorsal/Lateral Lobe

* Skin

[Inflammation TGLS = 1-6A]

[Inflammation TGLS = 5-6B]

* Spleen

* Thymus

Inflammation

Inflammation

Inflammation

Hematopoietic Cell Proliferation

Atrophy

Suppurative, Mild

Pyogranulomat, Marked

Chronic Active, Marked

Mild

Marked

PRIMARY CAUSE OF DEATH

- Preputial Gland Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 364

TRT#: 14

SEX: Male

DAY ON TEST: 738

DOSE: F1/50PPB TO CTL

DISP: Natural Death

HISTO: 021380300364

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, Colon
* Islets, Pancreatic	Lacrimal Gland	* Lung	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Prostate, Ventral Lobe
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Rete Testes

AUTO PRECLUDES DIAG.

* Coagulating Gland	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Seminal Vesicle
* Thyroid Gland			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Minimal
Lacrimal Gf			
Note: TGL 2 - NCL			
* Liver		Degeneration	Cystic, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 1-4]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Suppurative, Marked
[Dilatation TGLS = 3-2B]			
[Inflammation TGLS = 3-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 364

TRT#: 14

SEX: Male

DAY ON TEST: 738

DOSE: F1/50PPB TO CTL

DISP: Natural Death

HISTO: 021380300364

ORGAN AND ACCOUNTABLE SITE STATUS

* Rete Testes

Note: No recut or wet tissue per pathologist

* Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Minimal

* Testes

Seminif Tub

Degeneration

Minimal

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 365

TRT#: 13

SEX: Male

DAY ON TEST: 736

DOSE: F1/10PPB TO CTL

DISP: Natural Death

HISTO: 021380300365

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Cerebellum
* Brain, Cerebrum	* Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Colon	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Prostate, Ventral Lobe
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea			

MISSING

* Rete Testes

AUTO PRECLUDES DIAG.

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Seminal Vesicle			

OBSERVATIONS

* Brain, Brain Stem		Compression Gliosis Hemorrhage	Mild Minimal Minimal
[Compression TGLS = 5-3]			
[Gliosis TGLS = 5-3]			
[Hemorrhage TGLS = 5-3]			
* Heart	Atrium	Cardiomyopathy Dilatation	Mild Mild
[Dilatation TGLS = 3-6A]			
* Kidney		Cyst Nephropathy	Marked
* Liver		Basophilic Focus	
* Lymph Node, Mandibular		Hyperplasia Infiltration Cellular	Lymphoid, Moderate Plasma Cell, Moderate
[Hyperplasia TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland		Ectasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 365

TRT#: 13

SEX: Male

DAY ON TEST: 736

DOSE: F1/10PPB TO CTL

DISP: Natural Death

HISTO: 021380300365

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Lactation	Mild
Penis		Inflammation	Suppurative, Minimal
[Dilatation TGLS = 6-15]		Dilatation	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
[Inflammation TGLS = 7-2]			
* Rete Testes			
Note: No recut or wet tissue per pathologist			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous
* Urinary Bladder		Dilatation	Moderate
[Dilatation TGLS = 2-11]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 371

TRT#: 14

SEX: Male

DAY ON TEST: 738

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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	* Parathyroid Gland
* Pituitary Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Harderian Gland	Acinus	Degeneration	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Sarcoma	
[Cyst TGLS = 10-11]			
[Sarcoma TGLS = 4-11A]			
* Liver			
Note: TGL 5 - NCL			
* Lung			
Note: TGL 8 - NCL			
Lymph Node	Lumbar	Degeneration	Cystic, Marked
	Renal	Degeneration	Cystic, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Marked
	Mediastinal	Infiltration Cellular	Histiocyte, Moderate
	Renal	Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 3-15]			
[Degeneration TGLS = 6-15A]			
[Infiltration Cellular TGLS = 3-15]			
[Infiltration Cellular TGLS = 6-15A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 371	TRT#: 14	SEX: Male	DAY ON TEST: 738
	DOSE: F1/50PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300371

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 7-15B]			
* Lymph Node, Mandibular		Degeneration Infiltration Cellular	Cystic, Minimal Plasma Cell, Minimal
[Degeneration TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Pancreas	Acinar Cell	Degeneration	Moderate
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 9-6A]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 2-9]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Kidney Sarcoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 372

TRT#: 12

SEX: Male

DAY ON TEST: 736

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Coagulating Gland	* 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
* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
Lymph Node		Squamous Cell Carcinoma	Metastatic (Preputial Gland)
[Squamous Cell Carcinoma TGLS = 4-15]			
* Lymph Node, Mandibular		Degeneration	Cystic, Marked
		Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary GI			
Note: Wet tissue attempted			
* Pancreas	Acinar Cell	Degeneration	Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 372	TRT#: 12	SEX: Male	DAY ON TEST: 736
	DOSE: F1/2PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300372

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland [Squamous Cell Carcinoma TGLS = 2-2B]		Squamous Cell Carcinoma	
* Spleen [Hematopoietic Cell Proliferation TGLS = 3-9A]		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 373	TRT#: 11	SEX: Male	DAY ON TEST: 737
	DOSE: F1 50PPB	DISP: Moribund Sacrifice	HISTO: 021380300373

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Coagulating Gland	* Epididymis	* Esophagus
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lung	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 4-1]		Degeneration	Cystic, Marked
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
	Myeloid Cell	Hyperplasia	Mild
* Eye	Cornea	Inflammation	Chronic Active, Mild
* Int Lg Rectum Note: TGL 7 - NCL			
* Islets, Pancreatic		Hyperplasia	Minimal
* Liver		Degeneration	Cystic, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland [Fibroadenoma TGLS = 1-6B]	Acinus	Degeneration Fibroadenoma	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Adenoma	
* Preputial GI Note: TGL 3 - NCL			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 373	TRT#: 11	SEX: Male	DAY ON TEST: 737
	DOSE: F1 50PPB	DISP: Moribund Sacrifice	HISTO: 021380300373

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Inflammation TGLS = 5-6A]		Inflammation	Chronic Active, Marked
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
	Epithel Cell	Hyperplasia	Minimal
Zymbal's Gland [Carcinoma TGLS = 2-15]		Carcinoma	

PRIMARY CAUSE OF DEATH - Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 380

TRT#: 13

SEX: Male

DAY ON TEST: 743

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300380

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Coagulating Gland	* 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	* Nose	* Parathyroid Gland
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 4-3]			
* Brain, Cerebrum		Hydrocephalus	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Vacuolization Cytoplasmic	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 2-10]			
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Minimal
* Mammary Gland		Ectasia	Minimal
		Lactation	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Preputial Gland	Duct	Dilatation	Moderate
		Inflammation	Suppurative, Moderate
[Dilatation TGLS = 1-2B]			
[Inflammation TGLS = 1-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 380	TRT#: 13	SEX: Male	DAY ON TEST: 743
	DOSE: F1/10PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300380

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Moderate
* Stomach, Forestomach		Edema	Marked
		Inflammation	Suppurative, Mild
		Ulcer	Moderate
[Edema TGLS = 5-7]			
[Inflammation TGLS = 5-7]			
[Ulcer TGLS = 5-7]			
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 381

TRT#: 8

SEX: Male

DAY ON TEST: 741

DOSE: F1 0PPB

DISP: Natural Death

HISTO: 021380300381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Epididymis	* Esophagus
* Parathyroid Gland	* Preputial Gland	* Rete Testes	* Salivary Glands
* Testes			

AUTO PRECLUDES DIAG.

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Prostate, Ventral Lobe	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain Stem			
Note: TGL 4 - NCL			
* Heart		Cardiomyopathy	Mild
* Liver	Biliar Tract	Fibrosis	Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
Note: TGL 1 - NCL			
[Hepatodiaphragmatic Nodule TGLS = 2-9]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Lactation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Skin	Epidermis	Hyperplasia	Mild
[Hyperplasia TGLS = 3-6A]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 381

TRT#: 8

SEX: Male

DAY ON TEST: 741

DOSE: F1 0PPB

DISP: Natural Death

HISTO: 021380300381

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 383

TRT#: 10

SEX: Male

DAY ON TEST: 744

DOSE: F1 10PPB

DISP: Moribund Sacrifice

HISTO: 021380300383

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	Lymph Node	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Prostate, Ventral Lobe
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Inflammation	Chronic Active, Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	
		Tension Lipidosis	Marked
Note: TGL 7 - NCL			
[Tension Lipidosis TGLS = 4-9]			
Lymph Node			
Note: TGL 2 - NCL			
Note: TGL 2 - noted grossly as Lymph Node, pancreatic is Lymph Node, hemal			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
		Infiltration Cellular	Plasma Cell, Minimal
[Hyperplasia TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Nose		Inflammation	Suppurative, Marked
Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 5-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 383	TRT#: 10	SEX: Male	DAY ON TEST: 744
	DOSE: F1 10PPB	DISP: Moribund Sacrifice	HISTO: 021380300383

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
	[Cyst TGLS = 6-1]		
	[Hyperplasia TGLS = 6-1]		
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Rete Testes		Fibrosis	Moderate
* Spleen		Hematopoietic Cell Proliferation	Marked
* Testes	Seminif Tub	Degeneration	Marked
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

Animal Note: TGL 5 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 384

TRT#: 13

SEX: Male

DAY ON TEST: 746

DOSE: F1/10PPB TO CTL

DISP: Natural Death

HISTO: 021380300384

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Colon	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Parathyroid Gland	* Rete Testes	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea		

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Seminal Vesicle	* Urinary Bladder

OBSERVATIONS

* Brain, Brain Stem		Compression Hemorrhage	Mild Minimal
[Compression TGLS = 3-3]			
[Hemorrhage TGLS = 3-3]			
* Heart		Cardiomyopathy	Minimal
Note: TGL 7 - NCL			
* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
[Degeneration TGLS = 6-9]			
* Lymph Node, Mandibular		Hyperplasia Infiltration Cellular	Lymphoid, Minimal Plasma Cell, Moderate
* Mammary Gland		Adenoma Ectasia Lactation	Moderate Moderate
[Adenoma TGLS = 2-6B]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Preputial Gland		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 384	TRT#: 13	SEX: Male	DAY ON TEST: 746
	DOSE: F1/10PPB TO CTL	DISP: Natural Death	HISTO: 021380300384

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 5-2B]		
* Prostate, Dorsal/Lateral Lobe	Inflammation	Suppurative, Moderate
* Prostate, Ventral Lobe	Inflammation	Suppurative, Minimal
* Skin	Inflammation	Chronic Active, Marked
Note: TGL 2 - noted grossly as Skin is Mammary Gland		
[Inflammation TGLS = 1-6A]		
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 386

TRT#: 9

SEX: Male

DAY ON TEST: 743

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300386

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* 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	* Liver	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Pituitary Gland	* Prostate, Dorsal/lateral Lobe
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 4-2A]			
* Kidney		Nephropathy	Minimal
* Liver			
Note: TGL 2 - NCL			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Nose		Osteosarcoma	
[Osteosarcoma TGLS = 3-14]			
* Pancreas	Acinar Cell	Degeneration	Moderate
* Parathyroid Gland		Hyperplasia	Minimal
* Preputial Gland		Inflammation	Suppurative, Marked
[Inflammation TGLS = 1-2B]			
[Squamous Cell Carcinoma TGLS = 1-2B]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Preputial Gland Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 386

TRT#: 9

SEX: Male

DAY ON TEST: 743

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300386

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL 3 - noted grossly as Cavity, oral is Nose

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 387

TRT#: 8

SEX: Male

DAY ON TEST: 744

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300387

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* 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	* Kidney	* Lung	* Prostate, Dorsal/lateral Lobe
* Rete Testes	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

Bone	Cranium	Schwannoma Malignant	Metastatic (Uncertain Primary Site)
[Schwannoma Malignant TGLS = 5-15]			
* Bone Marrow		Hypocellularity	Moderate
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 3-3]			
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 6-2A]			
* Heart		Cardiomyopathy	Minimal
* Liver		Vacuolization Cytoplasmic	Minimal
Lymph Node		Degeneration	Cystic, Marked
[Degeneration TGLS = 2-6B]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary GI			
Note: No recut or wet tissue per pathologist			
* Nose		Inflammation	Suppurative, Minimal
* Pancreas	Acinar Cell	Degeneration	Moderate
* Parathyroid Gland		Adenoma	
		Hyperplasia	Moderate
* Pituitary Gland		Schwannoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 387

TRT#: 8

SEX: Male

DAY ON TEST: 744

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300387

ORGAN AND ACCOUNTABLE SITE STATUS

[Schwannoma Malignant TGLS = 4-1]

* Preputial Gland

Inflammation

Suppurative, Mild

* Prostate, Ventral Lobe

Hyperplasia

Minimal

* Seminal Vesicle

Atrophy

Mild

* Skin

Inflammation

Chronic Active, Marked

Note: TGL 2 - noted grossly as Skin is Lymph Node

[Inflammation TGLS = 1-6A]

* Spleen

Pigmentation

Marked

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Pituitary Gland Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 388

TRT#: 14

SEX: Male

DAY ON TEST: 746

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300388

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Eye

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Eye			
Note: Wet tissue attempted			
* Heart	Atrium	Cardiomyopathy Dilatation Metaplasia	Moderate Marked Osseous, Mild
Note: TGL 9 - NCL [Dilatation TGLS = 8-6]			
* Int Lg Cecum			
Note: TGL 13 - NCL			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus Eosinophilic Focus Tension Lipidosis Vacuolization Cytoplasmic	Moderate Mild
Note: TGL 5 - NCL [Tension Lipidosis TGLS = 4-9]			
Lymph Node	Lumbar	Degeneration	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:42

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 388	TRT#: 14 DOSE: F1/50PPB TO CTL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 746 HISTO: 021380300388
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ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLS = 12-15A] [Degeneration TGLS = 3-15B]	Mediastinal	Degeneration	Cystic, Minimal
* Lymph Node, Mandibular [Degeneration TGLS = 10-4]		Degeneration	Cystic, Mild
* Mammary Gland [Fibroadenoma TGLS = 2-6A]		Fibroadenoma	
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Adenoma	
* Preputial Gland [Inflammation TGLS = 1-2B]		Inflammation	Chronic Active, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Inflammation	Chronic Active, Minimal
Skel Muscle Note: TGL 11 - NCL			
* Spleen Note: TGL 7 - NCL		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 389

TRT#: 12

SEX: Male

DAY ON TEST: 747

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300389

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* Epididymis
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Thyroid Gland
* Trachea			

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Adrenal Cortex * Adrenal Medulla

OBSERVATIONS

* Adren Cortex Note: TGL 8 - NCL			
* Adren Medulla Note: TGL 8 - NCL			
* Esophagus		Hyperkeratosis	Mild
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum [Adenocarcinoma TGLS = 2-7A]		Adenocarcinoma	
* Kidney [Hydronephrosis TGLS = 7-11] [Inflammation TGLS = 6-11]	Pelvis	Hydronephrosis Inflammation Nephropathy	Mild Suppurative, Marked Mild
* Liver	Biliar Tract	Fibrosis Inflammation Hyperplasia	Minimal Chronic Active, Minimal Lymphoid, Mild
* Lymph Node, Mandibular			
* Mammary GI Note: No recut or wet tissue per pathologist			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 389	TRT#: 12 DOSE: F1/2PPB TO CTL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 747 HISTO: 021380300389
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-1]			
* Preputial Gland		Inflammation	Suppurative, Marked
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Marked
[Inflammation TGLS = 5-2]			
* Prostate, Ventral Lobe		Inflammation	Suppurative, Marked
[Inflammation TGLS = 5-2]			
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 3-6A]			
* Spleen		Hematopoietic Cell Proliferation Infiltration Cellular	Moderate Polymorphnuclr, Marked
[Hematopoietic Cell Proliferation TGLS = 4-9]			
[Infiltration Cellular TGLS = 4-9]			
* Stomach, Forestomach	Epithelium	Edema Hyperplasia	Mild Mild
[Edema TGLS = 10-7]			
[Hyperplasia TGLS = 10-7]			
* Stomach, Glandular		Edema	Mild
[Edema TGLS = 9-7]			
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Thymoma Benign	
* Urinary Bladder	Transit Epithe	Hyperplasia Inflammation	Mild Chronic Active, Mild

PRIMARY CAUSE OF DEATH - Intestine Small, Duodenum Adenocarcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:42
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 390

TRT#: 10

SEX: Male

DAY ON TEST: 744

DOSE: F1 10PPB

DISP: Moribund Sacrifice

HISTO: 021380300390

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* 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	* Liver
* Lung	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
Lymph Node	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 2-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland	Acinus	Degeneration	Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Preputial Gland		Hyperplasia	Basal Cell, Moderate
		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 4-6A]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Sarcoma	
[Sarcoma TGLS = 3-4]			

PRIMARY CAUSE OF DEATH

- Thymus Sarcoma

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 395

TRT#: 13

SEX: Male

DAY ON TEST: 746

DOSE: F1/10PPB TO CTL

DISP: Natural Death

HISTO: 021380300395

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Parathyroid Gland	* Prostate, Ventral Lobe	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

MISSING

* Rete Testes

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum * Seminal Vesicle

OBSERVATIONS

* Brain, Brain Stem [Compression TGLS = 8-3]	Compression	Mild
* Brain, Cerebrum	Hydrocephalus	Minimal
* Heart	Cardiomyopathy	Mild
* Intestine Large, Cecum [Hyperplasia TGLS = 11-8]	Hyperplasia	Lymphoid, Mild
* Islets, Pancreatic	Hyperplasia	Mild
* Kidney Note: TGL 6 is located on slide 11A only. [Cyst TGLS = 6-11A] [Nephropathy TGLS = 5,9-11+11A]	Cyst Nephropathy	Marked
* Liver	Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular	Hyperplasia Infiltration Cellular	Lymphoid, Mild Plasma Cell, Mild
* Lymph Node, Mesenteric	Inflammation	Granulomatous, Mild
* Mammary Gland	Ectasia Lactation	Minimal Mild
* Nose	Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 395	TRT#: 13	SEX: Male	DAY ON TEST: 746
	DOSE: F1/10PPB TO CTL	DISP: Natural Death	HISTO: 021380300395

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Preputial Gland	Duct	Dilatation Inflammation	Mild Suppurative, Mild
[Dilatation TGLS = 3-2B]			
[Inflammation TGLS = 3-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Moderate
[Inflammation TGLS = 4-2]			
* Rete Testes			
Note: No recut or wet tissue attempt per pathologist			
* Skin		Inflammation Keratoacanthoma	Chronic Active, Marked
[Inflammation TGLS = 2-6A]			
[Keratoacanthoma TGLS = 1-6B]			
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Urinary Bladder		Dilatation	Marked
[Dilatation TGLS = 10-11]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 400

TRT#: 14

SEX: Male

DAY ON TEST: 750

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300400

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Coagulating Gland	* 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	* Liver	* Lymph Node, Mesenteric
Oral Mucosa	* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain, Brain Stem		Compression	Marked
[Compression TGLS = 6-3]			
* Brain, Cerebrum		Hydrocephalus	Mild
* Kidney		Cyst	
[Cyst TGLS = 3-11]		Nephropathy	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node	Lumbar	Infiltration Cellular	Histiocyte, Mild
[Degeneration TGLS = 4-15]		Degeneration	Cystic, Marked
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Lactation	Minimal
* Nose		Inflammation	Suppurative, Mild
Oral Mucosa			
Note: TGL 7 - NCL			
* Pancreas		Polyarteritis	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 400	TRT#: 14	SEX: Male	DAY ON TEST: 750
	DOSE: F1/50PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300400

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-1]			
* Preputial Gland	Duct	Dilatation Inflammation	Marked Suppurative, Moderate
[Dilatation TGLS = 2-2B]			
[Inflammation TGLS = 2-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Skin		Inflammation	Chronic Active, Marked
Note: TGL 4 - noted grossly as Skin, lumbar is Lymph Node, lumbar			
[Inflammation TGLS = 1-6A]			
* Spleen		Pigmentation	Moderate
* Thymus			
Note: Wet tissue attempted			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: TGL 7 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:43

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 402

TRT#: 11

SEX: Male

DAY ON TEST: 750

DOSE: F1 50PPB

DISP: Moribund Sacrifice

HISTO: 021380300402

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|---------------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Coagulating Gland | * Epididymis |
| * Esophagus | * Harderian Gland | * Heart | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Parathyroid Gland | * Prostate, Dorsal/lateral Lobe | * Prostate, Ventral Lobe | * Rete Testes |
| * Seminal Vesicle | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|-----------------------------------------|----------------|---------------------------|-------------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Minimal |
| * Bone Marrow | Erythroid Cell | Hyperplasia | Mild |
| * Eye | | Inflammation | Suppurative, Marked |
| [Inflammation TGLS = 2-12] | | | |
| * Heart | | | |
| Note: TGL 8 - NCL | | | |
| * Intestine Large, Cecum | | Dilatation | Moderate |
| [Dilatation TGLS = 10-8] | | | |
| * Kidney | | Cyst | |
| * Liver | | Vacuolization Cytoplasmic | Minimal |
| * Lung | | Inflammation | Chronic Active, Minimal |
| Note: TGL 7 - NCL | | | |
| * Nose | | Inflammation | Suppurative, Marked |
| Oral Mucosa | | Squamous Cell Carcinoma | |
| [Squamous Cell Carcinoma TGLS = 3-15] | | | |
| * Pancreas | Acinar Cell | Degeneration | Mild |
| * Pituitary Gland | Pars Distalis | Cyst | |
| [Cyst TGLS = 4-1] | | | |
| * Preputial Gland | Duct | Dilatation | Mild |
| | | Inflammation | Suppurative, Marked |
| Note: TGL 6 - NCL | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 402	TRT#: 11	SEX: Male	DAY ON TEST: 750
	DOSE: F1 50PPB	DISP: Moribund Sacrifice	HISTO: 021380300402

ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands		Inflammation	Chronic Active, Minimal
* Skin		Inflammation	Chronic Active, Marked
		Inflammation	Suppurative, Mild
		Ulcer	Mild
	[Inflammation TGLS = 5-15A]		
	[Inflammation TGLS = 1-6A]		
	[Ulcer TGLS = 5-15A]		
* Spleen		Pigmentation	Mild
* Stom Forestom			
Note: TGL 9 - NCL			
* Stom Gland			
Note: TGL 9 - NCL			
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

Animal Note: TGL 3 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 404

TRT#: 14

SEX: Male

DAY ON TEST: 752

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300404

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, Mesenteric
* Nose	* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
		Hypertrophy	Mild
		Compression	Moderate
* Brain, Brain Stem			
[Compression TGLS = 4-3]			
* Brain, Cerebrum		Hydrocephalus	Mild
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 2-2A]			
* Epididymis		Atrophy	Mild
		Hypospermia	Moderate
* Heart	Atrium	Dilatation	Moderate
* Kidney		Nephropathy	Mild
* Liver		Tension Lipidosis	Minimal
		Vacuolization Cytoplasmic	Minimal
[Tension Lipidosis TGLS = 3-9]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 6-10]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Lactation	Minimal
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Preputial Gland	Duct	Dilatation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 404	TRT#: 14	SEX: Male	DAY ON TEST: 752
	DOSE: F1/50PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300404

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Moderate
* Seminal Vesicle		Inflammation	Suppurative, Moderate
* Skin		Atrophy	Moderate
		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-6A]			
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 424

TRT#: 8

SEX: Male

DAY ON TEST: 756

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300424

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Vacuolization Cytoplasmic	Mild
* Lung		Metaplasia	Osseous, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland	Acinus	Degeneration	Mild
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Adenoma	
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 425

TRT#: 8

SEX: Male

DAY ON TEST: 756

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300425

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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	* Preputial Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Minimal
[Cyst TGLS = 3-11]			
* Liver		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Inguinal	Degeneration	Cystic, Moderate
[Degeneration TGLS = 2-15]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Acinus	Degeneration	Minimal
* Nose		Inflammation	Suppurative, Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Seminal Vesicle	Lumen	Dilatation	Marked
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-6A]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 425	TRT#: 8	SEX: Male	DAY ON TEST: 756
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300425

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Moderate

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 426

TRT#: 8

SEX: Male

DAY ON TEST: 756

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300426

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Parathyroid Gland	* Pituitary Gland	* Prostate, Dorsal/lateral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Coagulat GI			
Note: TGL 2 - NCL			
* Eye		Cataract	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland		Fibroadenoma	
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinar Cell	Degeneration	Moderate
* Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Suppurative, Marked
[Dilatation TGLS = 1-2B]			
[Inflammation TGLS = 1-2B]			
* Prostate, Ventral Lobe		Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 427

TRT#: 9

SEX: Male

DAY ON TEST: 756

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300427

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Coagulat GI			
Note: TGL 5 - NCL			
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 1-11]			
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 2-10]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Acinus	Degeneration	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Hyperplasia	Mild
[Adenoma TGLS = 4-1]			
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Spleen		Pigmentation	Moderate
Note: TGL 3 - NCL			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 427

TRT#: 9

SEX: Male

DAY ON TEST: 756

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300427

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

Tissue NOS

Note: TGL 3 - NCL

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 428

TRT#: 9

SEX: Male

DAY ON TEST: 756

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300428

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	* Mammary Gland	* Parathyroid Gland	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adren Medulla			
Note: TGL 2 - NCL			
* Adrenal Cortex		Adenoma	
		Vacuolization Cytoplasmic	Marked
Note: TGL 2 - NCL			
[Adenoma TGLS = 1-1]			
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 7-2A]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Moderate
[Hyperplasia TGLS = 5-10]			
[Infiltration Cellular TGLS = 5-10]			
Lymph Node	Renal	Degeneration	Cystic, Moderate
[Degeneration TGLS = 3-15]			
* Lymph Node, Mandibular		Degeneration	Cystic, Marked
		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 428

TRT#: 9

SEX: Male

DAY ON TEST: 756

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300428

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLS = 4-4]

[Hyperplasia TGLS = 4-4]

* Lymph Node, Mesenteric

Hyperplasia

Lymphoid, Minimal

* Nose

Inflammation

Suppurative, Mild

* Pancreas

Acinar Cell

Degeneration

Mild

* Pituitary Gland

Pars Distalis

Hyperplasia

Mild

* Preputial Gland

Infiltration Cellular

Lymphocyte, Minimal

* Prostate, Dorsal/Lateral Lobe

Inflammation

Suppurative, Minimal

* Prostate, Ventral Lobe

Inflammation

Suppurative, Minimal

* Skin

Inflammation

Chronic Active, Moderate

[Inflammation TGLS = 6-6A]

* Thymus

Atrophy

Marked

* Urin Bladder

Note: Located on slide 11R

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 429

TRT#: 9

SEX: Male

DAY ON TEST: 756

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300429

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	
		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Marked
* Mammary Gland		Lactation	Mild
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-1]		
* Preputial Gland		Inflammation	Suppurative, Mild
	[Inflammation TGLS = 2-2B]		
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 430

TRT#: 12

SEX: Male

DAY ON TEST: 756

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300430

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Rete Testes	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Coagulating Gland		Developmental Malformation	
	[Developmental Malformation TGLS = 6-2C]		
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
	Biliar Tract	Fibrosis	Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
	Note: TGL 3 is located on slide 10A, not 10.		
	[Alveolar/Bronchiolar Carcinoma TGLS = 3,4-10A+10B]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Acinus	Degeneration	Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 5-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 430	TRT#: 12	SEX: Male	DAY ON TEST: 756
	DOSE: F1/2PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300430

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe		Hyperplasia	Mild
* Seminal Vesicle	Lumen	Dilatation	Moderate
* Skin	Sebaceous Gl	Adenoma	
		Inflammation	Chronic Active, Marked
	[Adenoma TGLS = 2-15A]		
	[Inflammation TGLS = 1-15]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus			
Note: Wet tissue attempted			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 431

TRT#: 12

SEX: Male

DAY ON TEST: 756

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300431

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Minimal
[Cyst TGLS = 2-11]			
* Liver		Eosinophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 4-10]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Intermed	Cyst	
[Cyst TGLS = 3-1]			
* Preputial Gland		Atrophy	Minimal
		Inflammation	Suppurative, Mild
[Atrophy TGLS = 1-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 432

TRT#: 10

SEX: Male

DAY ON TEST: 756

DOSE: F1 10PPB

DISP: Terminal Sacrifice

HISTO: 021380300432

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating 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, Mesenteric	* Nose
* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Hyperplasia Vacuolization Cytoplasmic	Moderate Moderate
* Coagulat GI Note: TGL 5 - NCL		
* Epididymis [Atrophy TGLS = 4-15A] [Hypospermia TGLS = 4-15A]	Atrophy Hypospermia	Mild Marked
* Harderian Gland	Infiltration Cellular	Lymphocyte, Mild
* Heart	Cardiomyopathy	Mild
* Kidney [Cyst TGLS = 6-11]	Cyst Nephropathy	Moderate
* Liver	Cyst Multilocular Inflammation	Chronic Active, Mild
* Lymph Node, Mandibular [Degeneration TGLS = 1-4] [Hyperplasia TGLS = 1-4] [Infiltration Cellular TGLS = 1-4]	Degeneration Hyperplasia Infiltration Cellular	Cystic, Mild Lymphoid, Minimal Plasma Cell, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 432

TRT#: 10
DOSE: F1 10PPB

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 756
HISTO: 021380300432

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland	Acinus	Degeneration	Marked
* Nose			
Note: Squamous cell carcinoma observed in the nasal turbinates is recorded as Squamous cell carcinoma, Oral Mucosa.			
Oral Mucosa		Squamous Cell Carcinoma	
Note: Located on slide 14 with the routine section of nasal turbinates.			
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation Keratin Cyst	Suppurative, Mild
[Inflammation TGLS = 2-2C]			
[Keratin Cyst TGLS = 2-2C]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 7-15]			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Mild
* Testes	Seminif Tub	Degeneration	Marked
[Degeneration TGLS = 3-15B]			
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 433

TRT#: 10

SEX: Male

DAY ON TEST: 756

DOSE: F1 10PPB

DISP: Terminal Sacrifice

HISTO: 021380300433

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	* Lung	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Rete Testes

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 5-2A]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Marked
[Cyst TGLS = 2-11]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Acinus	Degeneration	Marked
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Suppurative, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 433

TRT#: 10

SEX: Male

DAY ON TEST: 756

DOSE: F1 10PPB

DISP: Terminal Sacrifice

HISTO: 021380300433

ORGAN AND ACCOUNTABLE SITE STATUS

[Dilatation TGLS = 1,6-2B]

[Inflammation TGLS = 1,6-2B]

* Prostate, Dorsal/Lateral Lobe

Inflammation

Suppurative, Minimal

* Prostate, Ventral Lobe

Inflammation

Chronic Active, Minimal

* Rete Testes

Note: No recut or wet tissue attempt per pathologist

* Skin

Inflammation

Chronic Active, Marked

[Inflammation TGLS = 4-6A]

* Spleen

Pigmentation

Mild

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 434

TRT#: 10
DOSE: F1 10PPB

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 756
HISTO: 021380300434

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Vacuolization Cytoplasmic	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 2-10]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Acinus	Degeneration	Moderate
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 1-15]			
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 435

TRT#: 10

SEX: Male

DAY ON TEST: 756

DOSE: F1 10PPB

DISP: Terminal Sacrifice

HISTO: 021380300435

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* 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	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Epididymis		Atrophy	Mild
		Hypospermia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Marked
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
		[Hyperplasia TGLS = 2-10+10A]	
		[Infiltration Cellular TGLS = 2-10+10A]	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Testes			
Note: TGL 1 - NCL			
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 435

TRT#: 10

SEX: Male

DAY ON TEST: 756

DOSE: F1 10PPB

DISP: Terminal Sacrifice

HISTO: 021380300435

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Epithel Cell

Cyst

Hyperplasia

Mild

Cyst

Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:43

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 436

TRT#: 10

SEX: Male

DAY ON TEST: 756

DOSE: F1 10PPB

DISP: Terminal Sacrifice

HISTO: 021380300436

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* 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	* Nose
* Parathyroid Gland	* Prostate, Dorsal/lateral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Marked
			[Degeneration TGLS = 2-15]
			[Infiltration Cellular TGLS = 2-15]
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland	Acinus	Degeneration	Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Inflammation	Suppurative, Minimal
* Skin		Inflammation	Chronic Active, Marked
			[Inflammation TGLS = 1-6A]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 436	TRT#: 10	SEX: Male	DAY ON TEST: 756
	DOSE: F1 10PPB	DISP: Terminal Sacrifice	HISTO: 021380300436

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen
 Note: TGL 3 - NCL
* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 437

TRT#: 13

SEX: Male

DAY ON TEST: 756

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300437

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Coagulating Gland	* 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
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hypocellularity	Mild
* Heart		Cardiomyopathy	Mild
	Endocardium	Hyperplasia	Moderate
* Kidney		Cyst	
		Nephropathy	Minimal
	[Cyst TGLS = 2-11]		
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
		Tension Lipidosis	Marked
	[Tension Lipidosis TGLS = 3-9]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland	Alveolus	Hyperplasia	Moderate
* Pancreas	Acinar Cell	Degeneration	Moderate
* Parathyroid GI			
Note: Recut attempted			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 437	TRT#: 13	SEX: Male	DAY ON TEST: 756
	DOSE: F1/10PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300437

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Dilatation	Marked
		Inflammation	Suppurative, Marked
[Dilatation TGLS = 1-2B]			
[Inflammation TGLS = 1-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Spleen		Pigmentation	Mild
* Testes	Seminif Tub	Degeneration	Moderate
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 438

TRT#: 13

SEX: Male

DAY ON TEST: 756

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300438

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Rete Testes

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Minimal
* Liver	Biliar Tract	Fibrosis	Minimal
		Vacuolization Cytoplasmic	Mild
* Lung	Artery	Metaplasia	Osseous, Minimal
		Mineralization	Minimal
			[Metaplasia TGLS = 3-10]
			[Mineralization TGLS = 3-10]
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Duct	Hyperplasia	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Dilatation	Marked
		Inflammation	Suppurative, Moderate
			[Dilatation TGLS = 1-2B]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 438	TRT#: 13	SEX: Male	DAY ON TEST: 756
	DOSE: F1/10PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300438

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 1-2B]		
* Prostate, Dorsal/Lateral Lobe	Inflammation	Suppurative, Moderate
* Prostate, Ventral Lobe	Infiltration Cellular	Lymphocyte, Minimal
* Rete Testes		
Note: No recut or wet tissue attempt per pathologist		
* Skin	Inflammation	Chronic Active, Marked
[Inflammation TGLS = 2-6A]		
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 439

TRT#: 13

SEX: Male

DAY ON TEST: 756

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300439

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
Urethra	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Moderate
* Prostate, Ventral Lobe		Hyperplasia	Minimal
* Skin		Inflammation	Chronic Active, Marked
			[Inflammation TGLS = 1-6A]
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked
	Epithel Cell	Hyperplasia	Mild
Urethra			
Note: TGL 2 - NCL			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 439

TRT#: 13

SEX: Male

DAY ON TEST: 756

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300439

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 2 - noted grossly as Lymph Node, inguinal is Urethra, bulbourethral gland

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 440

TRT#: 13

SEX: Male

DAY ON TEST: 756

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300440

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Kidney		Cyst	
		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	
		Vacuolization Cytoplasmic	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 2-9]		
* Mammary Gland	Acinus	Degeneration	Marked
* Pancreas	Acinar Cell	Degeneration	Mild
* Preputial Gland		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLS = 1-2C]		
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Spleen		Pigmentation	Mild
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 441

TRT#: 11

SEX: Male

DAY ON TEST: 756

DOSE: F1 50PPB

DISP: Terminal Sacrifice

HISTO: 021380300441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Cyst	Marked
[Cyst TGLS = 1-1]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Mammary Gland	Alveolus	Hyperplasia	Minimal
Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 2-15]			
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal
[Cyst TGLS = 4-1]			
* Skin		Fibroma	
[Fibroma TGLS = 3-6A]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Seminif Tub	Degeneration	Mild
* Thymus			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 441	TRT#: 11	SEX: Male	DAY ON TEST: 756
	DOSE: F1 50PPB	DISP: Terminal Sacrifice	HISTO: 021380300441

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Recut attempted, No wet tissue attempt per pathologist

* Thyroid Gland	C Cell	Hyperplasia	Minimal
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PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 2 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 442

TRT#: 11

SEX: Male

DAY ON TEST: 756

DOSE: F1 50PPB

DISP: Terminal Sacrifice

HISTO: 021380300442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Marked
Oral Mucosa		Keratin Cyst	
[Keratin Cyst TGLS = 1-15]			
* Pancreas	Acinar Cell	Degeneration	Moderate
* Parathyroid Gl			
Note: Wet tissue attempted			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Testes	Seminif Tub	Degeneration	Mild
* Thymus		Atrophy	Marked
* Trachea	Epithelium	Hyperplasia	Mild
		Infiltration Cellular	Lymphocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:43

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 442

TRT#: 11

SEX: Male

DAY ON TEST: 756

DOSE: F1 50PPB

DISP: Terminal Sacrifice

HISTO: 021380300442

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 1 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 443

TRT#: 11

SEX: Male

DAY ON TEST: 756

DOSE: F1 50PPB

DISP: Terminal Sacrifice

HISTO: 021380300443

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 2-11]			
* Liver		Basophilic Focus	
		Infiltration Cellular	Lymphocyte, Minimal
		Tension Lipidosis	Moderate
[Tension Lipidosis TGLS = 3-9]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland	Acinus	Degeneration	Marked
* Pancreas		Basophilic Focus	
	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 443	TRT#: 11	SEX: Male	DAY ON TEST: 756
	DOSE: F1 50PPB	DISP: Terminal Sacrifice	HISTO: 021380300443

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Marked
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 444 **TRT#:** 11 **SEX:** Male **DAY ON TEST:** 756
DOSE: F1 50PPB **DISP:** Terminal Sacrifice **HISTO:** 021380300444

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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	* Rete Testes
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Mild
		Necrosis	Minimal
		Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Minimal
* Mammary Gland	Acinus	Degeneration	Marked
* Pancreas	Acinar Cell	Degeneration	Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Minimal
* Seminal Vesicle	Lumen	Dilatation	Marked
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLS = 1-6A]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 445

TRT#: 11
DOSE: F1 50PPB

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 756
HISTO: 021380300445

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	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Prostate, Dorsal/lateral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

* Adrenal Medulla * Mammary Gland

OBSERVATIONS

* Adren Medulla			
Note: Recut attempted			
* Adrenal Cortex		Atrophy	Marked
		Pigmentation	Marked
[Atrophy TGLS = 1-1]			
* Coagulating Gland		Developmental Malformation	
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Minimal
[Cyst TGLS = 2-11]			
* Liver		Angiectasis	Mild
		Eosinophilic Focus	
[Angiectasis TGLS = 3,4-9]			
* Mammary GI			
Note: Recut attempted			
* Pancreas	Acinar Cell	Degeneration	Marked
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 445	TRT#: 11	SEX: Male	DAY ON TEST: 756
	DOSE: F1 50PPB	DISP: Terminal Sacrifice	HISTO: 021380300445

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate, Ventral Lobe	Inflammation	Suppurative, Minimal
* Spleen	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Mild
* Thymus	Atrophy	Marked
* Thyroid Gland	Cyst	Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 446

TRT#: 14

SEX: Male

DAY ON TEST: 756

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300446

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	Urethra	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
	[Cyst TGLS = 3,4-11]		
* Liver		Hepatocellular Adenoma	
	Note: TGL 2 - NCL		
	[Hepatocellular Adenoma TGLS = 6-9]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Basal Cell Adenoma	
	[Basal Cell Adenoma TGLS = 1-15]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
Urethra			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 446

TRT#: 14

SEX: Male

DAY ON TEST: 756

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300446

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 5 - NCL

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 5 - noted grossly as Lymph Node, inguinal is Urethra, bulbourethral gland

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 447

TRT#: 14

SEX: Male

DAY ON TEST: 756

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300447

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Plasma Cell, Moderate
[Hyperplasia TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Pancreas	Acinar Cell	Degeneration	Moderate
* Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Suppurative, Moderate
[Dilatation TGLS = 2-2B]			
[Inflammation TGLS = 2-2B]			
* Rete Testes		Dilatation	Minimal
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 3-6A]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 4-7A]			
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 447

TRT#: 14

SEX: Male

DAY ON TEST: 756

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300447

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 448

TRT#: 14

SEX: Male

DAY ON TEST: 756

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300448

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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
* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	
		Vacuolization Cytoplasmic	Mild
[Degeneration TGLS = 1,3-9+9A]			
[Eosinophilic Focus TGLS = 1,3-9+9A]			
[Vacuolization Cytoplasmic TGLS = 1,3-9+9A]			
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Inflammation	Suppurative, Mild
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 2-15]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 449

TRT#: 14

SEX: Male

DAY ON TEST: 756

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300449

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
* Nose	* Parathyroid Gland	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Coagulating Gland	Lumen	Dilatation	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
* Lymph Node, Mandibular		Degeneration	Cystic, Moderate
* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Atrophy	Moderate
		[Atrophy TGLS = 1-2B]	
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe		Inflammation	Suppurative, Minimal
* Thymus		Atrophy	Marked
Note: TGL 2 - NCL			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 454

TRT#: 8

SEX: Male

DAY ON TEST: 755

DOSE: F1 0PPB

DISP: Natural Death

HISTO: 021380300454

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	* Islets, Pancreatic
* Liver	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum	* Seminal Vesicle
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
		Degeneration	Cystic, Minimal
* Coagulating Gland		Developmental Malformation	
* Heart		Cardiomyopathy	Moderate
		Metaplasia	Osseous, Mild
* Kidney		Nephropathy	Minimal
* Liver			
Note: TGL 1 - NCL			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Marked
		Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 2-4]			
[Infiltration Cellular TGLS = 2-4]			
* Mammary GI			
Note: No recut or wet tissue per pathologist			
* Pituitary Gland	Pars Distalis	Adenoma	
* Pros, Ven Lobe			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 454	TRT#: 8	SEX: Male	DAY ON TEST: 755
	DOSE: F1 0PPB	DISP: Natural Death	HISTO: 021380300454

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 3 - NCL		
* Prostate, Dorsal/Lateral Lobe	Inflammation	Suppurative, Mild
Note: TGL 3 - NCL		
* Spleen	Pigmentation	Mild
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 480

TRT#: 8

SEX: Male

DAY ON TEST: 757

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300480

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hyperplasia	Mild
[Adenoma TGLS = 6-1]			
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 7-3]			
* Epididymis		Atrophy	Moderate
		Hypospermia	Marked
[Atrophy TGLS = 3-2B]			
[Hypospermia TGLS = 3-2B]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 13-7]			
* Kidney		Nephropathy	Moderate
* Liver		Angiectasis	Moderate
		Vacuolization Cytoplasmic	Moderate
Note: TGL 10 - NST			
[Angiectasis TGLS = 14-9]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Plasma Cell, Marked
* Mammary Gland	Acinus	Degeneration	Mild
		Ectasia	Mild
* Nose		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 480	TRT#: 8 DOSE: F1 0PPB	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 757 HISTO: 021380300480
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Preputial Gland	Duct	Dilatation Inflammation	Moderate Suppurative, Marked
[Dilatation TGLS = 1-2B]			
[Inflammation TGLS = 1-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Minimal
* Rete Testes		Fibrosis	Minimal
* Sem Ves			
Note: TGL 4 - NCL			
* Skin		Inflammation Keratoacanthoma	Chronic Active, Marked
[Inflammation TGLS = 9-6B]			
[Keratoacanthoma TGLS = 5-6A]			
* Spleen		Hyperplasia Pigmentation	Lymphoid, Mild Marked
* Stomach, Forestomach		Edema	Marked
	Epithelium	Hyperplasia	Moderate
[Edema TGLS = 11,12-7]			
[Hyperplasia TGLS = 11,12-7]			
* Testes	Seminif Tub	Degeneration	Marked
[Degeneration TGLS = 2-15]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 481

TRT#: 8

SEX: Male

DAY ON TEST: 757

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300481

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Coagulating Gland	* 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
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Brain, Brain Stem		Astrocytoma Malignant	
* Brain, Cerebrum		Astrocytoma Malignant	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Biliar Tract	Fibrosis	Minimal
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Acinus	Degeneration	Mild
		Lactation	Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-1]			
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 481	TRT#: 8	SEX: Male	DAY ON TEST: 757
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300481

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 4-2A]			
* Skin	Epidermis	Hyperkeratosis Inflammation Inflammation	Mild Suppurative, Mild Chronic Active, Marked
[Hyperkeratosis TGLS = 2-6A]			
[Inflammation TGLS = 3-6B]			
[Inflammation TGLS = 2-6A]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 482

TRT#: 9

SEX: Male

DAY ON TEST: 757

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300482

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating 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, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Prostate, Ventral Lobe	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Rete Testes

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Epididymis		Atrophy	Minimal
		Hypospermia	Marked
	[Atrophy TGLS = 3-2B]		
	[Hypospermia TGLS = 3-2B]		
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	
		Nephropathy	Minimal
* Liver		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Rete Testes			

Note: No recut or wet tissue per pathologist

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 482	TRT#: 9	SEX: Male	DAY ON TEST: 757
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300482

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-15]			
* Spleen		Pigmentation	Mild
* Testes	Seminif Tub	Degeneration	Marked
[Degeneration TGLS = 2-sp1]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 483

TRT#: 9

SEX: Male

DAY ON TEST: 757

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300483

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	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Mammary Gland
* Parathyroid Gland	* Pituitary Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Rete Testes

OBSERVATIONS

* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 2-2A]			
* Epididymis		Atrophy	Moderate
		Granuloma Sperm	Marked
		Hypospermia	Marked
[Granuloma Sperm TGLS = 1-2B]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Biliar Tract	Fibrosis	Minimal
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Lymphocyte, Minimal
[Hepatodiaphragmatic Nodule TGLS = 4-9]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Nose	Vomeronas Org	Dilatation	Moderate
		Exudate	Mild
* Pancreas	Acinar Cell	Degeneration	Marked
* Preputial Gland		Inflammation	Suppurative, Mild
* Rete Testes			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 483	TRT#: 9	SEX: Male	DAY ON TEST: 757
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300483

ORGAN AND ACCOUNTABLE SITE STATUS

Note: No recut or wet tissue per pathologist

* Seminal Vesicle		Atrophy	Mild
* Testes	Seminif Tub	Degeneration	Marked
[Degeneration TGLS = 3-sp1]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 484

TRT#: 9

SEX: Male

DAY ON TEST: 757

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300484

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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	* Nose	* Parathyroid Gland	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Marked
[Degeneration TGLS = 2-15A]			
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Minimal
* Mammary Gland	Alveolus	Hyperplasia	Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Infiltration Cellular	Lymphocyte, Marked
		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Chronic Active, Mild
* Prostate, Ventral Lobe		Inflammation	Chronic Active, Mild
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-15]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 485

TRT#: 9

SEX: Male

DAY ON TEST: 757

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300485

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Minimal
[Cyst TGLS = 4-11]			
* Liver		Angiectasis	Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung		Metaplasia	Osseous, Minimal
Note: TGL 2 - NCL			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Minimal
* Mammary Gland		Atypical Focus	
	Acinus	Degeneration	Mild
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Suppurative, Moderate
[Dilatation TGLS = 1-2B]			
[Inflammation TGLS = 1-2B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 485	TRT#: 9	SEX: Male	DAY ON TEST: 757
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300485

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Spleen		Pigmentation	Mild
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 486

TRT#: 12

SEX: Male

DAY ON TEST: 757

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300486

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	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate, Ventral Lobe	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Rete Testes

OBSERVATIONS

* Coagulating Gland		Developmental Malformation	
* Epididymis		Atrophy	Mild
		Hypospermia	Marked
[Atrophy TGLS = 4-15A]			
[Hypospermia TGLS = 4-15A]			
* Harderian Gland	Acinus	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Mild
		Necrosis	Mild
* Lung		Inflammation	Chronic, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Plasma Cell, Moderate
[Hyperplasia TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland	Acinus	Degeneration	Minimal
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 486	TRT#: 12	SEX: Male	DAY ON TEST: 757
	DOSE: F1/2PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300486

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate, Dorsal/Lateral Lobe [Cyst TGLS = 3-2]		Cyst Inflammation	Suppurative, Mild
* Rete Testes Note: No recut or wet tissue attempt per pathologist			
* Spleen		Pigmentation	Minimal
* Stomach, Glandular [Adenoma TGLS = 5-7A]		Adenoma	
* Testes Note: TGL 2 - NCL	Seminif Tub	Degeneration Granuloma Sperm	Marked Mild
* Thymus Tissue NOS Note: Left testis is normal		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 487

TRT#: 12

SEX: Male

DAY ON TEST: 757

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300487

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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	* Lymph Node, Mesenteric	* Parathyroid Gland	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney	Medulla	Cyst	
		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Minimal
* Mammary Gland	Acinus	Degeneration	Marked
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-1]		
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Hyperplasia	Mild
* Sem Ves			
	Note: TGL 1 - NCL		
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked
		Degeneration	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 487

TRT#: 12

SEX: Male

DAY ON TEST: 757

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300487

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 488

TRT#: 10

SEX: Male

DAY ON TEST: 757

DOSE: F1 10PPB

DISP: Terminal Sacrifice

HISTO: 021380300488

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex [Angiectasis TGLS = 4-1]		Angiectasis	Minimal
* Coagulat GI Note: TGL 2 - NCL			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
* Lung [Hyperplasia TGLS = 3-10] [Infiltration Cellular TGLS = 3-10]	Alveolar Epith	Hyperplasia Infiltration Cellular	Mild Histiocyte, Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Nose		Inflammation	Suppurative, Mild
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland [Atrophy TGLS = 1-2B] [Infiltration Cellular TGLS = 1-2B]		Atrophy Infiltration Cellular	Mild Lymphocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 488	TRT#: 10	SEX: Male	DAY ON TEST: 757
	DOSE: F1 10PPB	DISP: Terminal Sacrifice	HISTO: 021380300488

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate, Dorsal/Lateral Lobe	Inflammation	Suppurative, Minimal
* Spleen	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Minimal
* Thymus	Atrophy	Marked
* Thyroid Gland	Cyst	Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 489

TRT#: 10

SEX: Male

DAY ON TEST: 757

DOSE: F1 10PPB

DISP: Terminal Sacrifice

HISTO: 021380300489

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, Mesenteric	* Mammary Gland
* Nose	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 3-2A]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Metaplasia	Osseous, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 1-4]			
* Pancreas	Acinar Cell	Degeneration	Marked
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLS = 5-1]			
* Preputial Gland	Duct	Dilatation	Marked
		Inflammation	Suppurative, Marked
[Dilatation TGLS = 2-2B]			
[Inflammation TGLS = 2-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Skin		Hemangioma	
[Hemangioma TGLS = 4-15]			
* Testes	Seminif Tub	Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 489	TRT#: 10	SEX: Male	DAY ON TEST: 757
	DOSE: F1 10PPB	DISP: Terminal Sacrifice	HISTO: 021380300489

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Marked
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PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 4 - noted grossly as Lymph Node, popliteal is Skin

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 490

TRT#: 10
DOSE: F1 10PPB

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 757
HISTO: 021380300490

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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
* Liver	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia	Cystic, Minimal Mild
* Coagulat GI Note: TGL 3 - NCL			
* Kidney	Transit Epithe	Hydronephrosis Hyperplasia Mineralization Nephropathy	Minimal Mild Minimal Minimal
[Hydronephrosis TGLS = 6-11]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 4-10]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland	Acinus	Degeneration	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Preputial Gland	Duct	Dilatation Inflammation Squamous Cell Carcinoma	Marked Suppurative, Marked
[Dilatation TGLS = 1-2B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 490	TRT#: 10	SEX: Male	DAY ON TEST: 757
	DOSE: F1 10PPB	DISP: Terminal Sacrifice	HISTO: 021380300490

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 1-2B]		
[Squamous Cell Carcinoma TGLS = 1-2B]		
* Prostate, Dorsal/Lateral Lobe	Inflammation	Suppurative, Mild
* Skin	Inflammation	Chronic Active, Marked
[Inflammation TGLS = 2-6A]		
* Stom Gland		
Note: TGL 7 - NCL		
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 491

TRT#: 13

SEX: Male

DAY ON TEST: 757

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300491

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* 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	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Coagulat GI Note: TGL 7 - NCL			
* Epididymis		Atrophy	Mild
		Hypospermia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
* Lung [Infiltration Cellular TGLS = 5-10]		Infiltration Cellular	Histiocyte, Moderate
* Lymph Node, Mandibular [Hyperplasia TGLS = 6-4] [Infiltration Cellular TGLS = 6-4]		Hyperplasia	Lymphoid, Minimal
		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland		Ectasia	Minimal
		Lactation	Moderate
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland [Adenoma TGLS = 4-1]	Pars Distalis	Adenoma	
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 491	TRT#: 13	SEX: Male	DAY ON TEST: 757
	DOSE: F1/10PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300491

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	Dermis	Inflammation Inflammation	Chronic Active, Mild Chronic Active, Marked
[Inflammation TGLS = 1-6B]			
[Inflammation TGLS = 3-6A]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Seminif Tub	Degeneration	Marked
[Degeneration TGLS = 2-sp1]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 492

TRT#: 13

SEX: Male

DAY ON TEST: 757

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300492

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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	* Preputial Gland	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Moderate
[Cyst TGLS = 1-11]			
* Liver		Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Mammary Gland	Acinus	Degeneration	Minimal
* Pancreas	Acinar Cell	Degeneration	Marked
* Parathyroid Gland			
Note: Recut attempted			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe		Hyperplasia	Mild
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 2-15]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 492

TRT#: 13

SEX: Male

DAY ON TEST: 757

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300492

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 493

TRT#: 13

SEX: Male

DAY ON TEST: 757

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300493

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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	* Rete Testes	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Coagulat GI			
Note: TGL 6 - NCL			
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
[Hyperplasia TGLS = 2-10]			
[Infiltration Cellular TGLS = 2-10]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Ectasia	Mild
		Fibroadenoma	
		Lactation	Moderate
[Fibroadenoma TGLS = 9-6C]			
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 493	TRT#: 13	SEX: Male	DAY ON TEST: 757
	DOSE: F1/10PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300493

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Atrophy Infiltration Cellular	Moderate Lymphocyte, Mild
[Atrophy TGLS = 5-2B]			
[Infiltration Cellular TGLS = 5-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Moderate
* Prostate, Ventral Lobe		Hyperplasia	Mild
* Seminal Vesicle	Lumen	Dilatation	Mild
[Dilatation TGLS = 7-2A]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 3-6A]			
* Spleen		Pigmentation	Mild
* Stom Gland			
Note: TGL 8 - NCL			
* Testes	Seminif Tub	Degeneration	Moderate
[Degeneration TGLS = 1-sp1]			
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 494

TRT#: 13

SEX: Male

DAY ON TEST: 757

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300494

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Nose	* Parathyroid Gland
* Prostate, Ventral Lobe	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Rete Testes

OBSERVATIONS

* Epididymis		Atrophy Hypospermia	Mild Marked
		[Atrophy TGLS = 4-2B] [Hypospermia TGLS = 4-2B]	
* Eye	Retina	Degeneration	Moderate
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst Nephropathy	Minimal
* Liver		Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland	Acinus	Degeneration	Moderate
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Dilatation	Minimal
		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild

Note: No recut or wet tissue attempt per pathologist

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 494	TRT#: 13	SEX: Male	DAY ON TEST: 757
	DOSE: F1/10PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300494

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	Hair Follicle	Hemorrhage Squamous Cell Papilloma	Mild
	[Hemorrhage TGLS = 2-15A] [Squamous Cell Papilloma TGLS = 1-15]		
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Mild
* Testes	Seminif Tub	Degeneration	Marked
	[Degeneration TGLS = 3-sp1]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 495

TRT#: 13

SEX: Male

DAY ON TEST: 757

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300495

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate, Ventral Lobe	Hyperplasia	Moderate
	Inflammation	Chronic Active, Moderate
* Seminal Vesicle [Atrophy TGLS = 4-2A]	Atrophy	Minimal
* Skin [Inflammation TGLS = 2-15]	Inflammation	Chronic Active, Marked
* Spleen Note: TGL 1 - NCL	Hematopoietic Cell Proliferation	Mild
* Thymus Note: Wet tissue attempted		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 496

TRT#: 11

SEX: Male

DAY ON TEST: 757

DOSE: F1 50PPB

DISP: Terminal Sacrifice

HISTO: 021380300496

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	* Liver	* Lymph Node, Mesenteric	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain Stem			
Note: TGL 1 - NCL			
* Coagulating Gland	Lumen	Dilatation	Minimal
[Dilatation TGLS = 7-2A]			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver			
Note: TGL 4 - NCL			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Inguinal	Hyperplasia	Lymphoid, Moderate
	Inguinal	Infiltration Cellular	Plasma Cell, Marked
[Hyperplasia TGLS = 3-15A]			
[Infiltration Cellular TGLS = 3-15A]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Ectasia	Mild
	Alveolus	Hyperplasia	Moderate
		Lactation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 496	TRT#: 11	SEX: Male	DAY ON TEST: 757
	DOSE: F1 50PPB	DISP: Terminal Sacrifice	HISTO: 021380300496

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose Oral Mucosa [Keratin Cyst TGLS = 5-15]		Inflammation Keratin Cyst	Suppurative, Minimal
* Pancreas * Parathyroid GI Note: Recut attempted	Acinar Cell	Degeneration	Marked
* Pituitary Gland [Adenoma TGLS = 2-1]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Suppurative, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Seminal Vesicle [Dilatation TGLS = 6-2A]	Lumen	Dilatation	Mild
* Spleen		Pigmentation	Mild
* Testes * Thymus Note: Wet tissue attempted	Seminif Tub	Degeneration	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 5 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 497

TRT#: 11

SEX: Male

DAY ON TEST: 757

DOSE: F1 50PPB

DISP: Terminal Sacrifice

HISTO: 021380300497

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	* Nose
* Pituitary Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Coagulating Gland		Developmental Malformation	
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Minimal
[Cyst TGLS = 2-11]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Vacuolization Cytoplasmic	Mild
Lymph Node	Lumbar	Degeneration	Cystic, Marked
[Degeneration TGLS = 3-15A]			
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Minimal
* Mammary Gland	Alveolus	Hyperplasia	Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 497	TRT#: 11	SEX: Male	DAY ON TEST: 757
	DOSE: F1 50PPB	DISP: Terminal Sacrifice	HISTO: 021380300497

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Inflammation TGLS = 1-15]	Inflammation	Chronic Active, Marked
* Spleen	Pigmentation	Mild
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 498

TRT#: 11

SEX: Male

DAY ON TEST: 757

DOSE: F1 50PPB

DISP: Terminal Sacrifice

HISTO: 021380300498

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* 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	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mesenchymal Tumor Malignant	
		Nephropathy	Mild
	[Mesenchymal Tumor Malignant TGLS = 2-11A+11B]		
* Liver		Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland	Alveolus	Hyperplasia	Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Suppurative, Moderate
	[Dilatation TGLS = 1-2B]		
	[Inflammation TGLS = 1-2B]		
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
* Rete Testes		Dilatation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 498	TRT#: 11	SEX: Male	DAY ON TEST: 757
	DOSE: F1 50PPB	DISP: Terminal Sacrifice	HISTO: 021380300498

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Marked
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 499

TRT#: 11

SEX: Male

DAY ON TEST: 757

DOSE: F1 50PPB

DISP: Terminal Sacrifice

HISTO: 021380300499

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric
* Nose	* Pituitary Gland	* Preputial Gland	* Prostate, Ventral Lobe
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Rete Testes

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
Note: TGL 3 - NCL			
* Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 4-9A]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
[Hyperplasia TGLS = 5-10A]			
[Infiltration Cellular TGLS = 5-10A]			
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Marked
[Degeneration TGLS = 1-15]			
[Infiltration Cellular TGLS = 1-15]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Acinus	Degeneration	Marked
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 499	TRT#: 11	SEX: Male	DAY ON TEST: 757
	DOSE: F1 50PPB	DISP: Terminal Sacrifice	HISTO: 021380300499

ORGAN AND ACCOUNTABLE SITE STATUS

* Rete Testes Note: No recut or wet tissue per pathologist			
* Skin [Inflammation TGLS = 2-6A]		Inflammation	Chronic Active, Marked
* Testes	Seminif Tub	Degeneration	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 500

TRT#: 11
DOSE: F1 50PPB

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 757
HISTO: 021380300500

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 4-9]			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 5-10A]			
Lymph Node	Lumbar	Degeneration	Cystic, Marked
[Degeneration TGLS = 1-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Sem Ves			
Note: TGL 3 - NCL			
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 2-6A]			
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 500	TRT#: 11	SEX: Male	DAY ON TEST: 757
	DOSE: F1 50PPB	DISP: Terminal Sacrifice	HISTO: 021380300500

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 501	TRT#: 14	SEX: Male	DAY ON TEST: 757
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300501

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	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Coagulating Gland		Developmental Malformation	
* Kidney		Cyst	
		Nephropathy	Moderate
* Liver		Hematopoietic Cell Proliferation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 4-10]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 2-4]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
		Inflammation	Granulomatous, Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Pancreas	Acinar Cell	Degeneration	Marked
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Skin		Basal Cell Adenoma	
		Inflammation	Chronic Active, Marked
[Basal Cell Adenoma TGLS = 1-6B]			
[Inflammation TGLS = 3-6A]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 501

TRT#: 14

SEX: Male

DAY ON TEST: 757

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300501

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 502

TRT#: 14

SEX: Male

DAY ON TEST: 757

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300502

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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	* Nose	* Pituitary Gland
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 3-9]		
Lymph Node	Lumbar	Degeneration	Cystic, Mild
	Lumbar	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
	[Degeneration TGLS = 2-15]		
	[Hyperplasia TGLS = 2-15]		
	[Infiltration Cellular TGLS = 2-15]		
* Lymph Node, Mesenteric		Degeneration	Cystic, Moderate
* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Pancreas	Acinar Cell	Degeneration	Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Preputial Gland	Duct	Dilatation	Minimal
		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Hyperplasia	Minimal
* Skin		Inflammation	Chronic Active, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 502

TRT#: 14

SEX: Male

DAY ON TEST: 757

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300502

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 1-6A]

* Spleen	Hematopoietic Cell Proliferation	Minimal
* Thymus	Atrophy	Marked
* Thyroid Gland	Cyst	Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 503

TRT#: 14

SEX: Male

DAY ON TEST: 757

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300503

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	
		Nephropathy	Marked
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-1]		
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland		Cyst	Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 504

TRT#: 14

SEX: Male

DAY ON TEST: 757

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300504

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
* Nose	* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 2-2A]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung			
Note: TGL 6 - NCL			
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Marked
[Degeneration TGLS = 3-15]			
[Infiltration Cellular TGLS = 3-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland	Duct	Dilatation	Moderate
		Inflammation	Suppurative, Moderate
[Dilatation TGLS = 1-2B]			
[Inflammation TGLS = 1-2B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 504	TRT#: 14	SEX: Male	DAY ON TEST: 757
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300504

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Skin		Inflammation	Chronic Active, Marked
	Prepuce	Squamous Cell Carcinoma	
	[Inflammation TGLS = 4-6A]		
	[Squamous Cell Carcinoma TGLS = 5-15A]		
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 5 - noted grossly as Penis is Skin

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 528

TRT#: 8

SEX: Male

DAY ON TEST: 757

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300528

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular	* Nose
* Parathyroid Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	Skeletal Muscle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 1-11]			
* Liver		Inflammation	Chronic Active, Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Marked
[Degeneration TGLS = 2-15]			
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Minimal
* Mammary Gland	Acinus	Degeneration	Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Suppurative, Mild
Skel Muscle			
Note: TGL 4 - NCL			
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 3-6A+6B]			
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 528

TRT#: 8

SEX: Male

DAY ON TEST: 757

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300528

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 529

TRT#: 8

SEX: Male

DAY ON TEST: 757

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300529

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Coagulat GI Note: TGL 2 - NCL			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	
	Transit Epithe	Hyperplasia	Marked
	Transit Epithe	Nephropathy	Mild
		Papilloma	
[Cyst TGLS = 4-11]			
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Hyperplasia TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Suppurative, Moderate
[Inflammation TGLS = 3-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 529	TRT#: 8	SEX: Male	DAY ON TEST: 757
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300529

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate, Ventral Lobe		Inflammation	Chronic Active, Minimal
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked
	Epithel Cell	Hyperplasia	Mild
* Urin Bladder			
Note: TGL 5 - NCL			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 530

TRT#: 8

SEX: Male

DAY ON TEST: 757

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300530

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
* Liver		Inflammation	Chronic Active, Minimal
* Lym Node Mand			
Note: TGL 2 - NCL			
Lymph Node	Lumbar	Degeneration	Cystic, Marked
[Degeneration TGLS = 3-15]			
* Mammary Gland	Acinus	Degeneration	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Preputial Gland		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 1-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 530

TRT#: 8

SEX: Male

DAY ON TEST: 757

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300530

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 531

TRT#: 8

SEX: Male

DAY ON TEST: 757

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300531

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	* Nose	* Parathyroid Gland	* Rete Testes
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

* Adrenal Medulla

OBSERVATIONS

* Adren Medulla			
Note: Recut attempted			
* Coagulating Gland		Developmental Malformation	
* Heart		Cardiomyopathy	Minimal
	Endocardium	Schwannoma Malignant	
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney	Medulla	Cyst	
		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 4-11+11A]			
* Liver		Vacuolization Cytoplasmic	Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
[Hyperplasia TGLS = 5-10+10A]			
[Infiltration Cellular TGLS = 5-10+10A]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Hyperplasia TGLS = 7-4]			
[Infiltration Cellular TGLS = 7-4]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 531

TRT#: 8

SEX: Male

DAY ON TEST: 757

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300531

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland	Acinus	Inflammation	Granulomatous, Mild
		Degeneration	Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
[Adenoma TGLS = 6-1]			
* Preputial Gland	Duct	Dilatation	Moderate
		Inflammation	Suppurative, Mild
[Dilatation TGLS = 3-2B]			
[Inflammation TGLS = 3-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Inflammation	Suppurative, Mild
* Seminal Vesicle		Atrophy	Minimal
[Atrophy TGLS = 8-2A]			
* Skin		Fibroma	
		Sarcoma	
[Fibroma TGLS = 2-6B]			
[Sarcoma TGLS = 1-6A]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 532

TRT#: 9

SEX: Male

DAY ON TEST: 757

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300532

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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	* Pancreas	* Parathyroid Gland
* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Minimal
[Cyst TGLS = 1-11]			
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Nose	Vomeronas Org	Dilatation	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Skin		Cyst Epithelial Inclusion	
		Inflammation	Chronic Active, Marked
[Cyst Epithelial Inclusion TGLS = 2-6A]			
[Inflammation TGLS = 3-6B]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 533

TRT#: 9

SEX: Male

DAY ON TEST: 757

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300533

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	* Parathyroid Gland	* Preputial Gland
* Rete Testes	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adren Medulla Note: TGL 6 - NCL			
* Adrenal Cortex Note: TGL 6 - NCL		Vacuolization Cytoplasmic	Minimal
* Brain, Brain Stem [Compression TGLS = 10-3]		Compression	Mild
* Coagulating Gland [Dilatation TGLS = 5-2A]	Lumen	Dilatation	Mild
* Heart		Cardiomyopathy	Minimal
* Int Lg Cecum Note: TGL 12 - NCL			
* Kidney		Cyst	
		Nephropathy	Mild
* Liver Note: TGL 11 - NCL	Bile Duct	Hyperplasia	Minimal
* Lung Note: TGL 8 - NCL [Infiltration Cellular TGLS = 7-10]		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular [Degeneration TGLS = 2-4]		Degeneration Hyperplasia Infiltration Cellular	Cystic, Marked Lymphoid, Mild Plasma Cell, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 533	TRT#: 9	SEX: Male	DAY ON TEST: 757
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300533

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-4]			
[Infiltration Cellular TGLS = 2-4]			
* Mammary Gland		Ectasia	Mild
		Lactation	Mild
* Nose	Vomeronas Org	Dilatation	Marked
		Inflammation	Suppurative, Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Moderate
* Prostate, Ventral Lobe		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 3-2]			
* Seminal Vesicle	Lumen	Dilatation	Mild
[Dilatation TGLS = 4-2A]			
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-6A]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 534

TRT#: 12

SEX: Male

DAY ON TEST: 757

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300534

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, Mesenteric	* Nose
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 2-2A]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Vacuolization Cytoplasmic	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Acinus	Degeneration	Marked
* Pancreas	Acinar Cell	Degeneration	Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-1]			
* Preputial Gland		Atrophy	Mild
		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Spleen		Pigmentation	Minimal
* Testes	Seminif Tub	Degeneration	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 535

TRT#: 12

SEX: Male

DAY ON TEST: 757

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300535

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
	[Cyst TGLS = 2-11]		
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
	Note: TGL 6 - NCL		
* Lung		Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLS = 4-10]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Nose	Mucosa	Hyperkeratosis	Marked
	Mucosa	Hyperplasia	Marked
	[Hyperkeratosis TGLS = 5-15]		
	[Hyperplasia TGLS = 5-15]		
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 535	TRT#: 12	SEX: Male	DAY ON TEST: 757
	DOSE: F1/2PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300535

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 1-2B]		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Seminal Vesicle	Lumen	Dilatation	Marked
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 3-6A]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

Animal Note: TGL 5 - noted grossly as Cavity, oral is Nose

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:43

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 536

TRT#: 10

SEX: Male

DAY ON TEST: 757

DOSE: F1 10PPB

DISP: Terminal Sacrifice

HISTO: 021380300536

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* 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
* Mammary Gland	* Nose	* Parathyroid Gland	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Adrenal Medulla		Pheochromocytoma Complex	
[Pheochromocytoma Complex TGLS = 2-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
[Cyst TGLS = 3-11]		Nephropathy	Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 1-4]		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 1-4]			
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 536

TRT#: 10

SEX: Male

DAY ON TEST: 757

DOSE: F1 10PPB

DISP: Terminal Sacrifice

HISTO: 021380300536

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 537

TRT#: 10

SEX: Male

DAY ON TEST: 757

DOSE: F1 10PPB

DISP: Terminal Sacrifice

HISTO: 021380300537

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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	* Pituitary Gland
* Prostate, Ventral Lobe	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Rete Testes

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 5-11]			
* Liver		Hepatodiaphragmatic Nodule	
		Vacuolization Cytoplasmic	Minimal
[Hepatodiaphragmatic Nodule TGLS = 6-9]			
Lymph Node	Lumbar	Degeneration	Cystic, Marked
	Lumbar	Hyperplasia	Lymphoid, Marked
	Lumbar	Infiltration Cellular	Plasma Cell, Marked
[Degeneration TGLS = 4-15]			
[Hyperplasia TGLS = 4-15]			
[Infiltration Cellular TGLS = 4-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
		Infiltration Cellular	Plasma Cell, Mild
[Hyperplasia TGLS = 3-4]			
[Infiltration Cellular TGLS = 3-4]			
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Pancreas	Acinar Cell	Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 537	TRT#: 10	SEX: Male	DAY ON TEST: 757
	DOSE: F1 10PPB	DISP: Terminal Sacrifice	HISTO: 021380300537

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland		Hyperplasia	Minimal
* Preputial Gland		Inflammation	Suppurative, Marked
	[Inflammation TGLS = 2-2B]		
	[Squamous Cell Carcinoma TGLS = 2-2B]		
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Rete Testes			
Note: No recut or wet tissue attempt per pathologist			
* Skin		Inflammation	Chronic Active, Marked
	[Inflammation TGLS = 1-6A]		
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 538

TRT#: 13

SEX: Male

DAY ON TEST: 757

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300538

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Rete Testes	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Moderate
	[Cyst TGLS = 2-11]		
* Liver		Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
	[Hyperplasia TGLS = 3-4]		
	[Infiltration Cellular TGLS = 3-4]		
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Inflammation	Suppurative, Moderate
	[Inflammation TGLS = 1-2B]		
* Prostate, Dorsal/Lateral Lobe		Inflammation	Chronic Active, Minimal
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Minimal
* Seminal Vesicle	Lumen	Dilatation	Marked
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 539

TRT#: 13

SEX: Male

DAY ON TEST: 757

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300539

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	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Glandular
* Trachea	Urethra	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
		Developmental Malformation	
* Coagulating Gland			
[Developmental Malformation TGLS = 8-2A]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Marked
[Cyst TGLS = 4-11]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Infiltration Cellular	Lymphocyte, Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Marked
	Lumbar	Hyperplasia	Lymphoid, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Marked
[Degeneration TGLS = 5-15]			
[Hyperplasia TGLS = 5-15]			
[Infiltration Cellular TGLS = 5-15]			
* Lymph Node, Mandibular		Degeneration	Cystic, Moderate
		Infiltration Cellular	Plasma Cell, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 539	TRT#: 13	SEX: Male	DAY ON TEST: 757
	DOSE: F1/10PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300539

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLS = 3-4] [Infiltration Cellular TGLS = 3-4]			
* Pancreas	Acinar Cell	Degeneration	Moderate
* Parathyroid GI Note: Recut attempted			
* Pituitary Gland	Pars Intermed Pars Distalis	Cyst Hyperplasia	Mild
* Preputial Gland	Duct	Dilatation Inflammation	Mild Suppurative, Mild
[Dilatation TGLS = 2-2B] [Inflammation TGLS = 2-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Skin		Cyst Epithelial Inclusion Inflammation	Chronic Active, Marked
[Cyst Epithelial Inclusion TGLS = 1-6] [Inflammation TGLS = 7-6B]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Seminif Tub	Degeneration	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous
Urethra Note: TGL 6 - NCL			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL 6 - noted grossly as Lymph Node, iliac is Urethra, bulbourethral gland

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 540

TRT#: 13

SEX: Male

DAY ON TEST: 757

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300540

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
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Coagulating Gland		Developmental Malformation	
	[Developmental Malformation TGLS = 7-2A]		
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	
	[Cyst TGLS = 5-11]	Nephropathy	Moderate
* Liver		Basophilic Focus	
		Vacuolization Cytoplasmic	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Degeneration	Cystic, Moderate
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Marked
	[Degeneration TGLS = 3-4]		
	[Hyperplasia TGLS = 3-4]		
	[Infiltration Cellular TGLS = 3-4]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 540	TRT#: 13	SEX: Male	DAY ON TEST: 757
	DOSE: F1/10PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300540

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Preputial Gland		Inflammation	Suppurative, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Inflammation	Suppurative, Minimal
[Inflammation TGLS = 4-2]			
* Skin		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 1,2-6A+6B]			
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus			

Note: Recut attempted, no wet tissue attempt per pathologist

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 541

TRT#: 13

SEX: Male

DAY ON TEST: 757

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300541

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
* Lymph Node, Mesenteric	* Parathyroid Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Adrenal Medulla		Hyperplasia	Minimal
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 4-2A]			
* Epididymis		Atrophy	Mild
		Hypospermia	Marked
[Atrophy TGLS = 3-2B]			
[Hypospermia TGLS = 3-2B]			
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Moderate
[Cyst TGLS = 5-11]			
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 1-4]			
* Mammary Gland	Acinus	Degeneration	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 541	TRT#: 13	SEX: Male	DAY ON TEST: 757
	DOSE: F1/10PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300541

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Mucosa	Hyperkeratosis	Marked
	Mucosa	Hyperplasia	Marked
	[Hyperkeratosis TGLS = 6-15]		
	[Hyperplasia TGLS = 6-15]		
* Pancreas	Acinar Cell	Degeneration	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Dilatation	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
* Rete Testes		Dilatation	Mild
		Fibrosis	Mild
* Testes	Seminif Tub	Degeneration	Marked
	[Degeneration TGLS = 2-sp1]		
* Thymus			
	Note: Wet tissue attempted		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 6 - noted grossly as Cavity, oral is Nose

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 542

TRT#: 11

SEX: Male

DAY ON TEST: 757

DOSE: F1 50PPB

DISP: Terminal Sacrifice

HISTO: 021380300542

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	* Nose
* Parathyroid Gland	* Prostate, Dorsal/lateral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Mild
* Coagulating Gland		Developmental Malformation	
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
Note: TGL 4 - NCL			
Lymph Node	Lumbar	Degeneration	Cystic, Marked
[Degeneration TGLS = 2-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Minimal
* Mammary Gland	Acinus	Degeneration	Minimal
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Abscess	Marked
[Abscess TGLS = 1-2B]			
* Prostate, Ventral Lobe		Inflammation	Chronic Active, Minimal
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 3-6A]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 542	TRT#: 11	SEX: Male	DAY ON TEST: 757
	DOSE: F1 50PPB	DISP: Terminal Sacrifice	HISTO: 021380300542

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 543

TRT#: 11

SEX: Male

DAY ON TEST: 757

DOSE: F1 50PPB

DISP: Terminal Sacrifice

HISTO: 021380300543

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* 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	* Liver
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate, Ventral Lobe	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	Urethra
* Urinary Bladder			

OBSERVATIONS

* Epididymis		Hypospermia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
* Lung	Artery	Mineralization	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary GI			
Note: TGL 2 - NCL			
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Rete Testes		Dilatation	Mild
* Spleen		Pigmentation	Minimal
* Testes	Seminif Tub	Degeneration	Marked
* Thymus		Atrophy	Marked
	Epithel Cell	Hyperplasia	Minimal
* Thyroid Gland		Cyst	Squamous
Urethra			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 543

TRT#: 11

SEX: Male

DAY ON TEST: 757

DOSE: F1 50PPB

DISP: Terminal Sacrifice

HISTO: 021380300543

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 1 - NCL

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 1 - noted grossly as Lymph Node, lumbar is Urethra, bulbourethral gland

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 545

TRT#: 11
DOSE: F1 50PPB

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 757
HISTO: 021380300545

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Parathyroid Gland	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 2-11]			
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Tension Lipidosis	Mild
		Vacuolization Cytoplasmic	Minimal
[Angiectasis TGLS = 3-9]			
[Hepatodiaphragmatic Nodule TGLS = 5-9A]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 1-4]			
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland	Acinus	Degeneration	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Preputial Gland		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 545	TRT#: 11	SEX: Male	DAY ON TEST: 757
	DOSE: F1 50PPB	DISP: Terminal Sacrifice	HISTO: 021380300545

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 546

TRT#: 11

SEX: Male

DAY ON TEST: 757

DOSE: F1 50PPB

DISP: Terminal Sacrifice

HISTO: 021380300546

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Lymph Node, Mesenteric	* Nose
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration Vacuolization Cytoplasmic	Cystic, Mild Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 3-2A]			
* Kidney		Cyst Mineralization	Mild
		Nephropathy	Mild
* Liver		Eosinophilic Focus Hepatodiaphragmatic Nodule	
		Vacuolization Cytoplasmic	Minimal
[Hepatodiaphragmatic Nodule TGLS = 6-9]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Mild
	Renal	Degeneration	Cystic, Mild
	Lumbar	Hyperplasia	Lymphoid, Mild
	Renal	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
	Renal	Infiltration Cellular	Plasma Cell, Marked
[Degeneration TGLS = 5-15A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 546	TRT#: 11	SEX: Male	DAY ON TEST: 757
	DOSE: F1 50PPB	DISP: Terminal Sacrifice	HISTO: 021380300546

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLS = 4-15] [Hyperplasia TGLS = 5-15A] [Hyperplasia TGLS = 4-15] [Infiltration Cellular TGLS = 4-15] [Infiltration Cellular TGLS = 5-15A]		Degeneration Hyperplasia Infiltration Cellular	Cystic, Mild Lymphoid, Mild Plasma Cell, Mild
* Lymph Node, Mandibular			
[Degeneration TGLS = 2-4] [Hyperplasia TGLS = 2-4] [Infiltration Cellular TGLS = 2-4]			
* Mammary Gland	Duct	Hyperplasia	Minimal
* Pancreas	Acinar Cell	Degeneration	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Preputial Gland	Duct	Dilatation Inflammation	Marked Suppurative, Marked
[Dilatation TGLS = 1-2B] [Inflammation TGLS = 1-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 8-6A]			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Mild
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 547

TRT#: 14

SEX: Male

DAY ON TEST: 757

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300547

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Infiltration Cellular	Lymphocyte, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Moderate
		Hyperplasia	Lymphoid, Moderate
[Degeneration TGLS = 1-4]			
[Hyperplasia TGLS = 1-4]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 548	TRT#: 14	SEX: Male	DAY ON TEST: 757
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300548

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	* 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, Mesenteric	* Nose	* Prostate, Dorsal/lateral Lobe
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 4-2A]			
* Kidney		Nephropathy	Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Mild
[Degeneration TGLS = 2-4]			
[Hyperplasia TGLS = 2-4]			
* Mammary Gland	Acinus	Degeneration	Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
* Preputial Gland		Keratin Cyst	
[Keratin Cyst TGLS = 1-2B]			
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 3-6A]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 549

TRT#: 14

SEX: Male

DAY ON TEST: 757

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300549

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, Mesenteric	* Nose
* Parathyroid Gland	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Coagulating Gland	Lumen	Dilatation	Moderate
[Dilatation TGLS = 5-2A]			
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Cyst	
		Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Mild
[Cyst TGLS = 1-11]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Vacuolization Cytoplasmic	Mild
Note: TGL 3 - NST			
[Degeneration TGLS = 2-9]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
[Hyperplasia TGLS = 7-10]			
[Infiltration Cellular TGLS = 7-10]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 6-4]			
* Mammary Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 549	TRT#: 14	SEX: Male	DAY ON TEST: 757
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300549

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-6A]	Alveolus	Hyperplasia	Moderate
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Suppurative, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Minimal
* Skin			
Note: TGL 4 - noted grossly as Skin is Mammary Gland			
* Spleen		Hyperplasia	Lymphoid, Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland		Cyst	Squamous
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 550

TRT#: 14

SEX: Male

DAY ON TEST: 757

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300550

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Liver	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Epididymis		Atrophy	Minimal
		Hypospermia	Moderate
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
Note: TGL 3 - NCL			
* Liver			
Note: TGL 6 - NCL			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 4-10]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
Note: TGL 1 - noted grossly as Mammary Gland is Skin			
* Pancreas	Acinar Cell	Degeneration	Moderate
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Rete Testes		Dilatation	Minimal
* Skin		Cyst Epithelial Inclusion	
		Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 550	TRT#: 14	SEX: Male	DAY ON TEST: 757
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300550

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst Epithelial Inclusion TGLS = 5-6A]			
[Squamous Cell Carcinoma TGLS = 1-15]			
* Testes	Seminif Tub	Degeneration	Marked
[Degeneration TGLS = 2-sp1]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 551

TRT#: 14

SEX: Male

DAY ON TEST: 757

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300551

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Nose
* Parathyroid Gland	* Rete Testes	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Inflammation	Suppurative, Mild
		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
		Vacuolization Cytoplasmic	Mild
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Hyperplasia	Lymphoid, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Mild
	Thoracic	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 3-15]			
[Hyperplasia TGLS = 3-15]			
[Infiltration Cellular TGLS = 3-15]			
[Infiltration Cellular TGLS = 4-15A]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland	Duct	Hyperplasia	Moderate
* Pancreas	Acinar Cell	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 551	TRT#: 14	SEX: Male	DAY ON TEST: 757
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300551

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Preputial Gland [Inflammation TGLS = 1-2B]		Inflammation	Suppurative, Moderate
* Prostate, Dorsal/Lateral Lobe		Inflammation	Chronic Active, Marked
* Prostate, Ventral Lobe		Inflammation	Chronic Active, Marked
* Seminal Vesicle	Epithelium	Hyperplasia Inflammation	Marked Suppurative, Marked
Note: TGL 2 - NCL			
* Skin [Inflammation TGLS = 6-6A]		Inflammation	Chronic Active, Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 573

TRT#: 8

SEX: Male

DAY ON TEST: 758

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300573

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Preputial Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Coagulat GI			
Note: TGL 1 - NCL			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Biliar Tract	Fibrosis	Minimal
Note: TGL 3 - NCL			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 4-10]			
[Infiltration Cellular TGLS = 4-10]			
Lymph Node	Lumbar	Degeneration	Cystic, Marked
	Lumbar	Infiltration Cellular	Plasma Cell, Marked
[Degeneration TGLS = 2-15]			
[Infiltration Cellular TGLS = 2-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Acinus	Degeneration	Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 573	TRT#: 8	SEX: Male	DAY ON TEST: 758
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300573

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Inflammation TGLS = 6-6A]		Inflammation	Chronic Active, Marked
* Spleen Note: TGL 5 - NCL		Hematopoietic Cell Proliferation	Minimal
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 574 **TRT#:** 8 **SEX:** Male **DAY ON TEST:** 758
DOSE: F1 0PPB **DISP:** Terminal Sacrifice **HISTO:** 021380300574

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	* Nose	* Preputial Gland	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Coagulating Gland		Developmental Malformation	
* Epididymis		Atrophy	Moderate
		Hypospermia	Marked
		[Atrophy TGLS = 2-2C]	
		[Hypospermia TGLS = 2-2C]	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
		[Hepatodiaphragmatic Nodule TGLS = 4-9]	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
		[Hyperplasia TGLS = 5-10A]	
		[Infiltration Cellular TGLS = 5-10A]	
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Acinus	Degeneration	Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 574	TRT#: 8	SEX: Male	DAY ON TEST: 758
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300574

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 3-1]	Pars Distalis	Adenoma	
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Seminal Vesicle [Atrophy TGLS = 6-2A]		Atrophy	Mild
* Skin [Inflammation TGLS = 1-2A]		Inflammation	Chronic Active, Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 575

TRT#: 8

SEX: Male

DAY ON TEST: 758

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300575

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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	* Prostate, Dorsal/lateral Lobe
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Inflammation	Chronic Active, Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 3-15]			
[Infiltration Cellular TGLS = 3-15]			
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 2-4]			
[Hyperplasia TGLS = 2-4]			
[Infiltration Cellular TGLS = 2-4]			
* Mammary Gland	Acinus	Degeneration	Minimal
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Preputial Gland		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 575	TRT#: 8	SEX: Male	DAY ON TEST: 758
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300575

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Inflammation TGLS = 1-6A]		Inflammation	Chronic Active, Marked
* Spleen		Hematopoietic Cell Proliferation Hyperplasia	Minimal Lymphoid, Mild
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 576

TRT#: 8

SEX: Male

DAY ON TEST: 758

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300576

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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	* Nose	* Parathyroid Gland	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain, Brain Stem		Compression	Mild
* Coagulating Gland		Developmental Malformation	
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-9]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mandibular		Degeneration	Cystic, Moderate
		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 1-4]			
[Hyperplasia TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Minimal
* Mammary Gland		Lactation	Mild
* Pancreas	Acinar Cell	Degeneration	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 576	TRT#: 8	SEX: Male	DAY ON TEST: 758
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300576

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate, Dorsal/Lateral Lobe Note: TGL 5 - NCL	Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe Note: TGL 5 - NCL	Hyperplasia	Minimal
* Skin [Inflammation TGLS = 3-6A]	Inflammation	Chronic Active, Marked
* Spleen	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Minimal
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 577 **TRT#:** 8 **SEX:** Male **DAY ON TEST:** 758
DOSE: F1 0PPB **DISP:** Terminal Sacrifice **HISTO:** 021380300577

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	* Lung	* Lymph Node, Mesenteric
* Parathyroid Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

OBSERVATIONS

* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 2-2A]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
		Hyperplasia	Lymphoid, Mild
[Degeneration TGLS = 1-4]			
[Hyperplasia TGLS = 1-4]			
* Mammary Gland	Acinus	Degeneration	Mild
* Nose	Mucosa	Hyperkeratosis	Moderate
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 578

TRT#: 8

SEX: Male

DAY ON TEST: 758

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300578

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 1-1]			
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Mild
* Liver		Vacuolization Cytoplasmic	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Marked
	Lumbar	Hyperplasia	Lymphoid, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 2-15]			
[Hyperplasia TGLS = 2-15]			
[Infiltration Cellular TGLS = 2-15]			
* Lymph Node, Mandibular		Degeneration	Cystic, Moderate
		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland	Acinus	Degeneration	Moderate
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Note: TGL 3 - NCL			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 578	TRT#: 8	SEX: Male	DAY ON TEST: 758
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300578

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 579

TRT#: 9

SEX: Male

DAY ON TEST: 758

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300579

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating 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	* Prostate, Ventral Lobe	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Rete Testes

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Epididymis		Atrophy	Moderate
		Hypospermia	Marked
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 2-11]			
* Liver		Infiltration Cellular	Lymphocyte, Mild
		Vacuolization Cytoplasmic	Mild
* Mammary Gland	Acinus	Degeneration	Moderate
* Pancreas	Acinar Cell	Degeneration	Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Preputial Gland	Duct	Dilatation	Moderate
		Inflammation	Suppurative, Mild
[Dilatation TGLS = 4-2B]			
[Inflammation TGLS = 4-2B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 579	TRT#: 9	SEX: Male	DAY ON TEST: 758
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300579

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate, Dorsal/Lateral Lobe		Inflammation	Chronic Active, Minimal
* Rete Testes			
Note: No recut or wet tissue per pathologist			
* Sem Ves			
Note: TGL 3 - NCL			
* Spleen		Pigmentation	Minimal
* Testes	Seminif Tub	Degeneration	Marked
[Degeneration TGLS = 1-15]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 580

TRT#: 9

SEX: Male

DAY ON TEST: 758

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300580

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Coagulating Gland	* 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	* Liver
* Nose	* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain, Brain Stem [Compression TGLS = 3-3]		Compression	Moderate
* Brain, Cerebrum		Hydrocephalus	Minimal
* Kidney		Cyst	
		Nephropathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland [Fibroma TGLS = 1-15]		Fibroma	
		Lactation	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland [Adenoma TGLS = 2-1]	Pars Distalis	Adenoma	
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Seminal Vesicle	Epithelium	Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Testes	Seminif Tub	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 580

TRT#: 9

SEX: Male

DAY ON TEST: 758

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300580

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 581

TRT#: 12
DOSE: F1/2PPB TO CTL

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 758
HISTO: 021380300581

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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, Mesenteric
* Nose	* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Coagulating Gland		Developmental Malformation	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Minimal
		Inflammation	Chronic Active, Minimal
Note: TGL 4 - NCL			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 2-4]			
* Mammary Gland	Acinus	Degeneration	Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Preputial Gland		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 1-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 3-6A]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 582

TRT#: 12

SEX: Male

DAY ON TEST: 758

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300582

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Cerebellum
* Brain, Cerebrum	* Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Parathyroid Gland	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 7-3]			
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Adenocarcinoma	
[Adenocarcinoma TGLS = 9-7]			
* Kidney		Cyst	
		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLS = 4,5,6-10]			
* Lymph Node, Mandibular		Degeneration	Cystic, Marked
		Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 3-4]			
[Infiltration Cellular TGLS = 3-4]			
* Mammary Gland	Acinus	Degeneration	Mild
Note: TGL 2 - noted grossly as Mammary Gland is Skin			
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinar Cell	Degeneration	Marked
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 582

TRT#: 12

SEX: Male

DAY ON TEST: 758

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300582

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 8-1]

* Preputial Gland

Infiltration Cellular

Lymphocyte, Mild

* Prostate, Dorsal/Lateral Lobe

Inflammation

Suppurative, Mild

* Prostate, Ventral Lobe

Inflammation

Chronic Active, Moderate

* Skin

Inflammation

Chronic Active, Marked

Lipoma

[Inflammation TGLS = 1-6A]

[Lipoma TGLS = 2-15]

* Spleen

Hematopoietic Cell Proliferation

Minimal

* Testes

Seminif Tub

Degeneration

Minimal

* Thymus

Atrophy

Marked

* Thyroid Gland

C Cell

Adenoma

C Cell

Carcinoma

Cyst

Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 583

TRT#: 12

SEX: Male

DAY ON TEST: 758

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300583

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	* Lung	* Lymph Node, Mesenteric	* Nose
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Coagulating Gland		Developmental Malformation	
Note: TGL 6 - NCL			
[Developmental Malformation TGLS = 2-2A]			
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	
		Nephropathy	Marked
[Cyst TGLS = 4-11]			
* Liver		Degeneration	Cystic, Minimal
		Vacuolization Cytoplasmic	Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Mild
	Lumbar	Hyperplasia	Lymphoid, Mild
[Degeneration TGLS = 3-15]			
[Hyperplasia TGLS = 3-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Acinus	Degeneration	Marked
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 583	TRT#: 12	SEX: Male	DAY ON TEST: 758
	DOSE: F1/2PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300583

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Atrophy	Minimal
		Inflammation	Suppurative, Mild
[Atrophy TGLS = 1-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Seminal Vesicle	Lumen	Dilatation	Moderate
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked
Tissue NOS		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 5-15A]			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL 5 - noted grossly as Cavity, cranial is Tissue NOS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 584

TRT#: 10

SEX: Male

DAY ON TEST: 758

DOSE: F1 10PPB

DISP: Terminal Sacrifice

HISTO: 021380300584

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* 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	* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Heart	Endocardium	Hyperplasia	Moderate
		Mesothelioma Benign	
* Kidney		Cyst	
		Nephropathy	Mild
		[Cyst TGLS = 2-11]	
* Liver		Cholangiocarcinoma	
		Degeneration	Cystic, Minimal
		Tension Lipidosis	Marked
		Note: TGL 4 - NST	
		[Cholangiocarcinoma TGLS = 3-9]	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Osseous, Minimal
		[Infiltration Cellular TGLS = 7-10]	
* Lym Node Mand			
		Note: TGL 1 - NCL	
* Mammary Gland	Acinus	Degeneration	Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 5-1]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 584	TRT#: 10	SEX: Male	DAY ON TEST: 758
	DOSE: F1 10PPB	DISP: Terminal Sacrifice	HISTO: 021380300584

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 6-6A]			
* Testes	Seminif Tub	Degeneration	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 585

TRT#: 10
DOSE: F1 10PPB

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 758
HISTO: 021380300585

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, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 1-2A]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	
		Tension Lipidosis	Minimal
[Degeneration TGLS = 3-9]			
Lymph Node	Thoracic	Degeneration	Cystic, Marked
[Degeneration TGLS = 2-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Mild
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 4-6A]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 585	TRT#: 10	SEX: Male	DAY ON TEST: 758
	DOSE: F1 10PPB	DISP: Terminal Sacrifice	HISTO: 021380300585

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Seminif Tub	Degeneration	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 586

TRT#: 10

SEX: Male

DAY ON TEST: 758

DOSE: F1 10PPB

DISP: Terminal Sacrifice

HISTO: 021380300586

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, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
[Angiectasis TGLS = 2-1]			
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 7-2A]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe Pelvis	Hyperplasia Inflammation Nephropathy	Mild Suppurative, Mild Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Lung		Metaplasia	Osseous, Minimal
Note: TGL 5 - NCL			
Lymph Node	Renal Axillary	Degeneration Infiltration Cellular	Cystic, Marked Plasma Cell, Marked
[Degeneration TGLS = 3-15]			
[Infiltration Cellular TGLS = 4-15A]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Pancreas	Acinar Cell	Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 586	TRT#: 10	SEX: Male	DAY ON TEST: 758
	DOSE: F1 10PPB	DISP: Terminal Sacrifice	HISTO: 021380300586

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Adenoma	
* Preputial Gland		Atrophy	Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Chronic Active, Minimal
* Skin [Inflammation TGLS = 1-6A]		Inflammation	Chronic Active, Marked
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:43

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 587

TRT#: 10

SEX: Male

DAY ON TEST: 758

DOSE: F1 10PPB

DISP: Terminal Sacrifice

HISTO: 021380300587

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Bone, Femur |
| * Brain, Brain Stem | * Brain, Cerebellum | * Brain, Cerebrum | * Coagulating Gland |
| * 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 | * Prostate, Dorsal/lateral Lobe | * Prostate, Ventral Lobe |
| * Rete Testes | * Salivary Glands | * Stomach, Glandular | * Testes |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|-------------------------------|----------------|-----------------------------------|-------------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| * Coagulat GI | | | |
| Note: TGL 2 - NCL | | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | Transit Epithe | Hyperplasia | Mild |
| | Pelvis | Inflammation | Suppurative, Minimal |
| | | Nephropathy | Mild |
| * Liver | | Inflammation | Chronic Active, Minimal |
| Lymph Node | Lumbar | Degeneration | Cystic, Marked |
| | Renal | Degeneration | Cystic, Marked |
| [Degeneration TGLS = 3-15] | | | |
| [Degeneration TGLS = 4-15A] | | | |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Mild |
| | | Infiltration Cellular | Plasma Cell, Moderate |
| * Mammary Gland | Acinus | Degeneration | Marked |
| * Pancreas | Acinar Cell | Degeneration | Moderate |
| * Parathyroid Gland | | Hyperplasia | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Preputial Gland | Duct | Dilatation | Mild |
| | | Inflammation | Suppurative, Mild |
| [Dilatation TGLS = 1-2B] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 587	TRT#: 10	SEX: Male	DAY ON TEST: 758
	DOSE: F1 10PPB	DISP: Terminal Sacrifice	HISTO: 021380300587

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 1-2B]			
* Seminal Vesicle	Lumen	Dilatation	Moderate
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 5-6A]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach		Keratin Cyst	
[Keratin Cyst TGLS = 6-7A]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 588

TRT#: 13

SEX: Male

DAY ON TEST: 758

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300588

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Mammary Gland	* Nose	* Preputial Gland	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Pancreas	Acinar Cell	Degeneration	Marked
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Skin		Inflammation	Chronic Active, Marked
	[Inflammation TGLS = 1-6A]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 589

TRT#: 13

SEX: Male

DAY ON TEST: 758

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300589

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* 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, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Cyst	
		Hyperplasia	Marked
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 7-3]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 2-11]			
* Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 3-9]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Artery	Mineralization	Minimal
[Infiltration Cellular TGLS = 4-10]			
[Mineralization TGLS = 4-10]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 1-4]			
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland	Acinus	Degeneration	Mild
		Lactation	Minimal
* Nose		Inflammation	Suppurative, Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 589

TRT#: 13

SEX: Male

DAY ON TEST: 758

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300589

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-1]

* Preputial Gland

Infiltration Cellular

Lymphocyte, Minimal

* Prostate, Dorsal/Lateral Lobe

Inflammation

Suppurative, Mild

* Skin

Inflammation

Chronic Active, Marked

[Inflammation TGLS = 5-6A]

* Spleen

Hematopoietic Cell Proliferation

Mild

* Thymus

Atrophy

Marked

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 590

TRT#: 13

SEX: Male

DAY ON TEST: 758

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300590

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Vacuolization Cytoplasmic	Minimal
Lymph Node	Renal	Degeneration	Cystic, Marked
	Renal	Infiltration Cellular	Plasma Cell, Moderate
		[Degeneration TGLS = 3-15A]	
		[Infiltration Cellular TGLS = 3-15A]	
* Mammary Gland	Acinus	Degeneration	Marked
Mesentery	Fat	Necrosis	Marked
		[Necrosis TGLS = 5-15B]	
* Pancreas	Acinar Cell	Degeneration	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 590	TRT#: 13	SEX: Male	DAY ON TEST: 758
	DOSE: F1/10PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300590

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Dilatation	Marked
		Infiltration Cellular	Lymphocyte, Mild
[Dilatation TGLS = 1-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Hyperplasia	Mild
* Skin	Prepuce	Inflammation	Chronic Active, Marked
		Keratoacanthoma	
[Inflammation TGLS = 4-6A]			
[Keratoacanthoma TGLS = 2-15]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Seminif Tub	Degeneration	Mild
* Thymus			
Note: No recut or wet tissue per pathologist			
* Thyroid Gland		Cyst	Squamous

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 2 - noted grossly as Penis is Skin

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 591

TRT#: 13

SEX: Male

DAY ON TEST: 758

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300591

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* 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	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Degeneration	Cystic, Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Coagulating Gland		Developmental Malformation	
	[Developmental Malformation TGLS = 3-2A]		
* Kidney		Cyst	
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
	Biliar Tract	Fibrosis	Minimal
		Vacuolization Cytoplasmic	Mild
* Lung	Alveolar Epith	Hyperplasia	Marked
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
	[Degeneration TGLS = 4-15]		
	[Infiltration Cellular TGLS = 4-15]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
		Inflammation	Granulomatous, Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 591	TRT#: 13	SEX: Male	DAY ON TEST: 758
	DOSE: F1/10PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300591

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Suppurative, Mild
* Sem Ves			
Note: TGL 2 - NCL			
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-6A]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 592

TRT#: 13

SEX: Male

DAY ON TEST: 758

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300592

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Coagulating Gland	* 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	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Minimal
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 6-3]			
* Brain, Cerebrum		Hydrocephalus	Mild
* Coagulat GI			
Note: TGL 5 - NCL			
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Artery	Mineralization	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Ectasia	Mild
	Alveolus	Hyperplasia	Mild
		Lactation	Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Preputial Gland		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 592

TRT#: 13

SEX: Male

DAY ON TEST: 758

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300592

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 2-2B]			
* Pros, Ven Lobe			
Note: TGL 3 - NCL			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Seminal Vesicle	Lumen	Dilatation	Moderate
[Dilatation TGLS = 4-2A]			
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-6A]			
* Spleen		Pigmentation	Mild
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 593

TRT#: 13

SEX: Male

DAY ON TEST: 758

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300593

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
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	Urethra	* Urinary Bladder	

OBSERVATIONS

* Adren Medulla			
Note: TGL 6 - NCL			
* Adrenal Cortex		Degeneration	Cystic, Minimal
		Vacuolization Cytoplasmic	Minimal
Note: TGL 6 - NCL			
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 11-3]			
* Coagulating Gland		Developmental Malformation	
		Inflammation	Chronic Active, Moderate
[Developmental Malformation TGLS = 3-2A]			
* Heart		Cardiomyopathy	Minimal
	Ventricle	Dilatation	Marked
[Dilatation TGLS = 8-6]			
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lym Node Mesen			
Note: TGL 12 - NCL			
Lymph Node	Lumbar	Degeneration	Cystic, Marked
	Lumbar	Infiltration Cellular	Plasma Cell, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 593

TRT#: 13

SEX: Male

DAY ON TEST: 758

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300593

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 5 - noted grossly as Lymph Node, inguinal is Urethra, bulbourethral gland

[Degeneration TGLS = 7-15A]

[Infiltration Cellular TGLS = 7-15A]

* Lymph Node, Mandibular

Hyperplasia
 Infiltration Cellular

Lymphoid, Moderate
 Plasma Cell, Marked

[Hyperplasia TGLS = 1-4]

[Infiltration Cellular TGLS = 1-4]

* Mammary Gland

Atypical Focus
 Ectasia
 Lactation

Moderate
 Moderate

[Ectasia TGLS = 2-15B]

[Lactation TGLS = 2-15B]

* Pancreas

Acinar Cell

Degeneration

Moderate

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 10-1]

* Preputial Gland

Inflammation

Suppurative, Mild

* Prostate, Dorsal/Lateral Lobe

Inflammation

Chronic Active, Marked

* Prostate, Ventral Lobe

Inflammation

Chronic Active, Marked

* Sem Ves

Note: TGL 4 - NCL

* Skin

Inflammation

Chronic Active, Marked

[Inflammation TGLS = 9-6B]

* Thymus

Atrophy

Marked

Urethra

Note: TGL 5 - NCL

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:43
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 594

TRT#: 11
DOSE: F1 50PPB

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 758
HISTO: 021380300594

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* 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	* Liver
* Lung	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Brain, Brain Stem		Compression	Minimal
[Compression TGLS = 9-3]			
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 3-2A]			
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 4-11]			
Lymph Node	Lumbar	Degeneration	Cystic, Marked
	Renal	Degeneration	Cystic, Mild
	Axillary	Hyperplasia	Lymphoid, Moderate
	Axillary	Infiltration Cellular	Plasma Cell, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Marked
	Popliteal	Infiltration Cellular	Plasma Cell, Marked
	Renal	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 6-15]			
[Degeneration TGLS = 5-15A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 594

TRT#: 11

SEX: Male

DAY ON TEST: 758

DOSE: F1 50PPB

DISP: Terminal Sacrifice

HISTO: 021380300594

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 11-15B]			
[Infiltration Cellular TGLS = 7-15C]			
[Infiltration Cellular TGLS = 6-15]			
[Infiltration Cellular TGLS = 5-15A]			
[Infiltration Cellular TGLS = 11-15B]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Ectasia	Mild
	Alveolus	Hyperplasia	Mild
		Lactation	Moderate
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Preputial Gland		Abscess	Marked
		Squamous Cell Carcinoma	
[Abscess TGLS = 1,2-2B+2C]			
[Squamous Cell Carcinoma TGLS = 1,2-2B+2C]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Skin		Inflammation	Chronic Active, Marked
Note: TGL 2 - noted grossly as Skin is Preputial Gland			
[Inflammation TGLS = 10-6A]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 595	TRT#: 11	SEX: Male	DAY ON TEST: 758
	DOSE: F1 50PPB	DISP: Terminal Sacrifice	HISTO: 021380300595

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 2-6A]			
* Spleen		Pigmentation	Moderate
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 596

TRT#: 11

SEX: Male

DAY ON TEST: 758

DOSE: F1 50PPB

DISP: Terminal Sacrifice

HISTO: 021380300596

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
		Vacuolization Cytoplasmic	Minimal
[Angiectasis TGLS = 2-9]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Marked
[Degeneration TGLS = 1-4]			
[Hyperplasia TGLS = 1-4]			
* Pancreas	Acinar Cell	Degeneration	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Mild
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 596

TRT#: 11

SEX: Male

DAY ON TEST: 758

DOSE: F1 50PPB

DISP: Terminal Sacrifice

HISTO: 021380300596

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Cyst

Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 597

TRT#: 11

SEX: Male

DAY ON TEST: 758

DOSE: F1 50PPB

DISP: Terminal Sacrifice

HISTO: 021380300597

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* 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	* Pituitary Gland	* Prostate, Dorsal/lateral Lobe
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 3-11A]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Lung			
Note: TGL 5 - NCL			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 2-4]			
* Mammary Gland	Alveolus	Hyperplasia	Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Suppurative, Mild
[Dilatation TGLS = 1-2B]			
[Inflammation TGLS = 1-2B]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 4-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 597

TRT#: 11

SEX: Male

DAY ON TEST: 758

DOSE: F1 50PPB

DISP: Terminal Sacrifice

HISTO: 021380300597

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation

Mild

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 598

TRT#: 14

SEX: Male

DAY ON TEST: 758

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300598

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adren Cortex			
Note: TGL 3 - NCL			
* Adren Medulla			
Note: TGL 3 - NCL			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Artery	Mineralization	Minimal
[Mineralization TGLS = 2-10]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-15]			
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 599

TRT#: 14

SEX: Male

DAY ON TEST: 758

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300599

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Coagulating Gland	* 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
* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Marked
Lymph Node	Lumbar	Degeneration	Cystic, Marked
	Renal	Degeneration	Cystic, Marked
	Axillary	Hyperplasia	Lymphoid, Marked
	Inguinal	Hyperplasia	Lymphoid, Moderate
	Axillary	Infiltration Cellular	Plasma Cell, Marked
[Degeneration TGLS = 5-15C]			
[Degeneration TGLS = 4-15B]			
[Hyperplasia TGLS = 2-15A]			
[Hyperplasia TGLS = 1-15]			
[Infiltration Cellular TGLS = 1-15]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Pancreas	Acinar Cell	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 599	TRT#: 14	SEX: Male	DAY ON TEST: 758
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300599

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 7-1]	Pars Distalis	Adenoma	
* Preputial Gland [Atrophy TGLS = 3-2B]		Atrophy	Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Skin [Inflammation TGLS = 6-15D]		Inflammation	Chronic Active, Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 600

TRT#: 14

SEX: Male

DAY ON TEST: 758

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300600

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate, Dorsal/lateral Lobe	* Rete Testes	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	
		Nephropathy	Minimal
[Cyst TGLS = 6-11]			
* Liver		Cholangiocarcinoma	
		Inflammation	Chronic Active, Minimal
[Cholangiocarcinoma TGLS = 5-9]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Hyperplasia TGLS = 3-4]			
[Infiltration Cellular TGLS = 3-4]			
* Mammary Gland	Duct	Hyperplasia	Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Minimal
[Atrophy TGLS = 4-2A]			
* Skin		Inflammation	Chronic Active, Marked
		Keratoacanthoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 600	TRT#: 14	SEX: Male	DAY ON TEST: 758
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300600

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 2-6B]

[Keratoacanthoma TGLS = 1-6A]

* Spleen	Pigmentation	Mild
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 601

TRT#: 14

SEX: Male

DAY ON TEST: 758

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300601

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Brain, Cerebrum	* Coagulating Gland	* 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
* Preputial Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Inflammation	Chronic Active, Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Marked
[Degeneration TGLS = 1-15]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 2-6A]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Infiltration Cellular	Polymorphnuclr, Mild
[Hematopoietic Cell Proliferation TGLS = 3-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 601	TRT#: 14	SEX: Male	DAY ON TEST: 758
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300601

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 3-9]			
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 602

TRT#: 14

SEX: Male

DAY ON TEST: 758

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300602

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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	* Lung	* Nose	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Coagulating Gland	Lumen	Developmental Malformation Dilatation Inflammation	Mild Suppurative, Minimal
[Developmental Malformation TGLS = 6-2A]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst Nephropathy	Mild
* Liver		Vacuolization Cytoplasmic	Mild
Lymph Node	Lumbar	Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 4-15]			
* Lymph Node, Mandibular		Hyperplasia Infiltration Cellular	Lymphoid, Mild Plasma Cell, Mild
[Hyperplasia TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland	Duct Alveolus	Dilatation Hyperplasia Lactation	Marked Mild Moderate
[Dilatation TGLS = 8-15A]			
[Lactation TGLS = 8-15A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 602	TRT#: 14	SEX: Male	DAY ON TEST: 758
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300602

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Degeneration	Minimal
* Parathyroid Gland	Bilateral	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Preputial Gland		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 2-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Moderate
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 7-6A]			
* Spleen		Pigmentation	Minimal
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Urin Bladder			
Note: TGL 3 - NCL			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 604

TRT#: 11

SEX: Male

DAY ON TEST: 758

DOSE: F1 50PPB

DISP: Moribund Sacrifice

HISTO: 021380300604

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Coagulating Gland	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Rete Testes
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Brain, Brain Stem [Compression TGLS = 4-3]		Compression	Marked
* Brain, Cerebrum		Hydrocephalus	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary GI Note: No recut or wet tissue attempt per pathologist			
* Pituitary Gland [Adenoma TGLS = 3-1]	Pars Distalis	Adenoma	
* Preputial Gland		Atrophy	Moderate
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Inflammation	Chronic Active, Mild
* Seminal Vesicle [Dilatation TGLS = 2-2A]	Lumen	Dilatation	Mild
* Skin [Inflammation TGLS = 1-15]	Epidermis	Inflammation	Suppurative, Marked
* Spleen		Pigmentation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 604

TRT#: 11

SEX: Male

DAY ON TEST: 758

DOSE: F1 50PPB

DISP: Moribund Sacrifice

HISTO: 021380300604

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 606

TRT#: 11

SEX: Male

DAY ON TEST: 758

DOSE: F1 50PPB

DISP: Moribund Sacrifice

HISTO: 021380300606

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Minimal
* Coagulating Gland		Degeneration	Cystic, Moderate
		Inflammation	Suppurative, Mild
* Eye		Inflammation	Suppurative, Marked
	Retrobulbar	Squamous Cell Carcinoma	Deep Invasion
	[Inflammation TGLS = 3-12]		
	[Squamous Cell Carcinoma TGLS = 4-14A+14B]		
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Mild
	Note: Hyperplasia is located on slide 11.		
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
		Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
	[Hyperplasia TGLS = 1-4]		
	[Infiltration Cellular TGLS = 1-4]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 606

TRT#: 11

SEX: Male

DAY ON TEST: 758

DOSE: F1 50PPB

DISP: Moribund Sacrifice

HISTO: 021380300606

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Inflammation	Granulomatous, Moderate
* Mammary Gland	Acinus	Degeneration	Marked
* Nose		Inflammation	Suppurative, Marked
Note: Squamous cell carcinoma observed in the nasal turbinates is recorded as Squamous cell carcinoma, Oral Mucosa.			
Oral Mucosa		Squamous Cell Carcinoma	
Note: Located on slide 14A and 14B with the sections of nasal turbinates.			
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Suppurative, Moderate
[Dilatation TGLS = 5-2B]			
[Inflammation TGLS = 5-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Atrophy	Mild
[Atrophy TGLS = 2-2A]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 629

TRT#: 8

SEX: Male

DAY ON TEST: 761

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300629

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Epididymis		Atrophy	Mild
		Hypospermia	Marked
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
* Liver		Inflammation	Chronic Active, Minimal
Note: TGL 10 - NCL			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Axillary	Hyperplasia	Lymphoid, Marked
	Inguinal	Hyperplasia	Lymphoid, Moderate
	Lumbar	Hyperplasia	Lymphoid, Marked
	Inguinal	Infiltration Cellular	Plasma Cell, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Marked

[Hyperplasia TGLS = 5-15]
[Hyperplasia TGLS = 8-15B]
[Hyperplasia TGLS = 6-15A]
[Infiltration Cellular TGLS = 6-15A]
[Infiltration Cellular TGLS = 8-15B]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 629	TRT#: 8	SEX: Male	DAY ON TEST: 761
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300629

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Hyperplasia TGLS = 2-4] [Infiltration Cellular TGLS = 2-4]		Hyperplasia Infiltration Cellular	Lymphoid, Mild Plasma Cell, Mild
* Mammary Gland [Adenocarcinoma TGLS = 3-15C]		Adenocarcinoma	
* Pancreas * Pituitary Gland [Adenoma TGLS = 11-1]	Acinar Cell Pars Distalis	Degeneration Adenoma	Marked
* Preputial Gland [Abscess TGLS = 4-2B] [Dilatation TGLS = 4-2B]	Duct	Abscess Dilatation	Marked Marked
* Prostate, Dorsal/Lateral Lobe [Inflammation TGLS = 7-2]		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Hyperplasia	Mild
* Rete Testes		Dilatation	Mild
* Skin [Inflammation TGLS = 1-6A]		Inflammation	Chronic Active, Marked
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes [Degeneration TGLS = 9-sp1]	Seminif Tub	Degeneration	Marked
* Thymus Note: Recut / Wet tissue attempted			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 630

TRT#: 8

SEX: Male

DAY ON TEST: 761

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300630

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	* Kidney	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 1-2A]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Liver	Biliar Tract	Eosinophilic Focus	
		Fibrosis	Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 2-10]			
Lymph Node	Lumbar	Hyperplasia	Lymphoid, Marked
	Lumbar	Infiltration Cellular	Plasma Cell, Marked
[Hyperplasia TGLS = 5-15]			
[Infiltration Cellular TGLS = 5-15]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Marked
[Infiltration Cellular TGLS = 4-4]			
* Mammary Gland	Acinus	Degeneration	Marked
* Nose			
Note: Squamous cell carcinoma observed in the nasal turbinates is recorded as Squamous cell carcinoma, Oral Mucosa.			
Oral Mucosa		Squamous Cell Carcinoma	
Note: Located on slide 14 with the routine section of nasal turbinates.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 630	TRT#: 8	SEX: Male	DAY ON TEST: 761
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300630

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Hyperplasia	Mild
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 3-6A]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 631

TRT#: 8

SEX: Male

DAY ON TEST: 761

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300631

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* 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	* Nose
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Moderate
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland	Acinus	Degeneration	Minimal
* Pancreas	Acinar Cell	Degeneration	Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Skin		Inflammation	Chronic Active, Marked
	[Inflammation TGLS = 1-6A]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 632

TRT#: 9

SEX: Male

DAY ON TEST: 761

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300632

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Nose	* Pituitary Gland	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	
		Nephropathy	Moderate
[Cyst TGLS = 1-11]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland	Acinus	Degeneration	Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Dorsal/Lateral Lobe		Cyst	
		Inflammation	Suppurative, Minimal
* Thymus		Atrophy	Marked
	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 633

TRT#: 9

SEX: Male

DAY ON TEST: 762

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300633

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* 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
* Pancreas	* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Marked
[Cyst TGLS = 3-11]			
* Liver		Eosinophilic Focus	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Ectasia	Moderate
		Fibroadenoma	
		Lactation	Moderate
[Fibroadenoma TGLS = 1-15]			
* Nose		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Preputial Gland		Inflammation	Suppurative, Moderate
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Seminal Vesicle	Lumen	Dilatation	Marked
[Dilatation TGLS = 2-2C]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 633	TRT#: 9	SEX: Male	DAY ON TEST: 762
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300633

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Inflammation	Chronic Active, Marked
		Necrosis	Marked
	[Inflammation TGLS = 4-9A]		
	[Necrosis TGLS = 4-9A]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 634

TRT#: 9

SEX: Male

DAY ON TEST: 761

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300634

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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	* Nose	* Parathyroid Gland
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain, Brain Stem [Compression TGLS = 8-3]		Compression	Mild
* Coagulating Gland [Developmental Malformation TGLS = 1-2A]		Developmental Malformation	
* Heart		Cardiomyopathy	Mild
* Kidney [Carcinoma TGLS = 3,4-11]	Bilateral, Renal Tubule	Carcinoma	
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung [Congestion TGLS = 10-10]		Congestion	Marked
Lymph Node [Degeneration TGLS = 9-15B] [Degeneration TGLS = 2-15] [Infiltration Cellular TGLS = 9-15B]	Lumbar Popliteal Popliteal	Degeneration Degeneration Infiltration Cellular	Cystic, Marked Cystic, Mild Plasma Cell, Marked
* Lymph Node, Mandibular		Degeneration Hyperplasia Infiltration Cellular	Cystic, Moderate Lymphoid, Moderate Plasma Cell, Marked
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Minimal
* Mammary Gland		Ectasia Fibroadenoma	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 634	TRT#: 9	SEX: Male	DAY ON TEST: 761
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300634

ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolus	Hyperplasia	Mild
		Lactation	Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-1]		
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Seminal Vesicle	Lumen	Dilatation	Mild
* Skin		Inflammation	Chronic Active, Marked
	[Inflammation TGLS = 7-15A]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes		Malformation	
	Note: Vascular Malformation is unavailable - coded as Malformation		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Carcinoma	
	[Carcinoma TGLS = 5-5]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 635

TRT#: 12

SEX: Male

DAY ON TEST: 762

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300635

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Moderate
* Lung	Artery	Mineralization	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland	Acinus	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Adenoma	
[Adenoma TGLS = 2-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe		Hyperplasia	Mild
* Skin		Hyperkeratosis	Mild
[Hyperkeratosis TGLS = 3-6A]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 636

TRT#: 12

SEX: Male

DAY ON TEST: 762

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300636

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain, Brain Stem [Compression TGLS = 3-3]		Compression	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney [Cyst TGLS = 2-11]		Cyst	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Lumbar	Degeneration	Cystic, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 1-15]			
[Infiltration Cellular TGLS = 1-15]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Ectasia	Mild
	Alveolus	Hyperplasia	Moderate
		Lactation	Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 636

TRT#: 12

SEX: Male

DAY ON TEST: 762

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300636

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-1]			
* Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Chronic Active, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 5-6A]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 637

TRT#: 12

SEX: Male

DAY ON TEST: 761

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300637

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, Mesenteric	* Nose	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 6-2A]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mesenchymal Tumor Malignant	
[Mesenchymal Tumor Malignant TGLS = 1-11+11A]			
* Liver		Necrosis	Minimal
* Lung			
Note: TGL 3 - NST			
Lymph Node	Renal	Hyperplasia	Lymphoid, Moderate
	Renal	Infiltration Cellular	Plasma Cell, Mild
[Hyperplasia TGLS = 2-15]			
[Infiltration Cellular TGLS = 2-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Plasma Cell, Moderate
[Hyperplasia TGLS = 8-4]			
[Infiltration Cellular TGLS = 8-4]			
* Mammary Gland	Acinus	Degeneration	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Cyst	
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 637	TRT#: 12	SEX: Male	DAY ON TEST: 761
	DOSE: F1/2PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300637

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Squamous Cell Papilloma TGLS = 4-6A]	Squamous Cell Papilloma	
* Spleen [Hematopoietic Cell Proliferation TGLS = 5-9]	Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach [Hyperplasia TGLS = 7-7]	Hyperplasia	Basal Cell, Marked
* Thymus	Atrophy	Marked
* Thyroid Gland	Cyst	Squamous

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 638	TRT#: 12	SEX: Male	DAY ON TEST: 761
	DOSE: F1/2PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300638

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* 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	* Parathyroid Gland	* Prostate, Ventral Lobe
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Coagulat GI			
Note: TGL 1 - NCL			
* Epididymis		Atrophy	Mild
		Hypospermia	Marked
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Minimal
[Cyst TGLS = 3-11]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 5-10]			
Lymph Node	Lumbar	Infiltration Cellular	Plasma Cell, Marked
[Infiltration Cellular TGLS = 7-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Acinus	Degeneration	Mild
* Nose		Inflammation	Chronic Active, Mild
Oral Mucosa		Keratin Cyst	
[Keratin Cyst TGLS = 8-14]			
* Pancreas	Acinar Cell	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 638	TRT#: 12	SEX: Male	DAY ON TEST: 761
	DOSE: F1/2PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300638

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Adenoma	
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Rete Testes		Fibrosis	Moderate
* Skin [Inflammation TGLS = 4-6A]		Inflammation	Chronic Active, Marked
* Testes [Degeneration TGLS = 2-sp1]	Seminif Tub	Degeneration	Marked
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 8 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:44

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 639

TRT#: 10

SEX: Male

DAY ON TEST: 761

DOSE: F1 10PPB

DISP: Terminal Sacrifice

HISTO: 021380300639

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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	* Parathyroid Gland	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Adenoma	
Note: Wet tissue requested for TGL 1 on slide 1A			
[Adenoma TGLS = 1-1A]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Marked
[Degeneration TGLS = 2-15]			
[Infiltration Cellular TGLS = 2-15]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Minimal
* Mammary Gland		Lactation	Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 3-6A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 639	TRT#: 10	SEX: Male	DAY ON TEST: 761
	DOSE: F1 10PPB	DISP: Terminal Sacrifice	HISTO: 021380300639

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Seminif Tub	Degeneration	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 640

TRT#: 10

SEX: Male

DAY ON TEST: 761

DOSE: F1 10PPB

DISP: Terminal Sacrifice

HISTO: 021380300640

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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	* Nose	* Parathyroid Gland	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Mild
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 3-4]			
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Minimal
* Mammary Gland	Acinus	Degeneration	Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Suppurative, Moderate
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Skin		Basal Cell Adenoma	
		Inflammation	Chronic Active, Marked
[Basal Cell Adenoma TGLS = 2-6B]			
[Inflammation TGLS = 1-6A]			
* Spleen		Hyperplasia	Stromal, Marked
[Hyperplasia TGLS = 4-9]			
* Testes	Seminif Tub	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 640	TRT#: 10	SEX: Male	DAY ON TEST: 761
	DOSE: F1 10PPB	DISP: Terminal Sacrifice	HISTO: 021380300640

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Adenoma	
[Adenoma TGLS = 6-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 641

TRT#: 10

SEX: Male

DAY ON TEST: 761

DOSE: F1 10PPB

DISP: Terminal Sacrifice

HISTO: 021380300641

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver			
Note: TGL 5 - NCL			
* Lung			
Note: TGL 4 - NCL			
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
[Degeneration TGLS = 2-15]			
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Nose	Vomeronas Org	Dilatation	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Atrophy	Mild
[Atrophy TGLS = 1-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Minimal
[Atrophy TGLS = 3-2A]			
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 641	TRT#: 10	SEX: Male	DAY ON TEST: 761
	DOSE: F1 10PPB	DISP: Terminal Sacrifice	HISTO: 021380300641

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Pigmentation	Minimal
* Thymus		Hyperplasia	Marked
* Thyroid Gland		Atrophy	Marked
		Cyst	Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 642

TRT#: 10
DOSE: F1 10PPB

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 761
HISTO: 021380300642

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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
* Nose	* Parathyroid Gland	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 1-9]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland	Duct	Hyperplasia	Minimal
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
Note: TGL 2 - NCL			
* Preputial Gland		Atrophy	Mild
		Infiltration Cellular	Lymphocyte, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Chronic Active, Minimal
* Prostate, Ventral Lobe		Inflammation	Chronic Active, Marked
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 643

TRT#: 10

SEX: Male

DAY ON TEST: 761

DOSE: F1 10PPB

DISP: Terminal Sacrifice

HISTO: 021380300643

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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	* Lymph Node, Mandibular	* Nose	* Parathyroid Gland
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLS = 2-10]		
* Lym Node Mand			
	Note: TGL 1 - NCL		
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland	Acinus	Degeneration	Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 644

TRT#: 13

SEX: Male

DAY ON TEST: 761

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300644

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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, Mesenteric	* Mammary Gland	* Nose
* Pituitary Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
[Hyperplasia TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Pancreas	Acinar Cell	Degeneration	Moderate
* Parathyroid GI			
Note: Recut attempted			
* Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Suppurative, Mild
[Dilatation TGLS = 2-2B]			
[Inflammation TGLS = 2-2B]			
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 644

TRT#: 13

SEX: Male

DAY ON TEST: 761

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300644

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 645

TRT#: 13

SEX: Male

DAY ON TEST: 761

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300645

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* 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	* Nose
* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
		Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 646

TRT#: 13

SEX: Male

DAY ON TEST: 761

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300646

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	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 2-2A]			
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Minimal
[Cyst TGLS = 6-11]			
* Liver		Vacuolization Cytoplasmic	Minimal
* Lung			
Note: TGL 3 - NCL			
Lymph Node	Lumbar	Infiltration Cellular	Plasma Cell, Marked
[Infiltration Cellular TGLS = 5-15]			
* Mammary Gland	Acinus	Degeneration	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland	Duct	Dilatation	Minimal
		Inflammation	Suppurative, Mild
[Dilatation TGLS = 1-2B]			
[Inflammation TGLS = 1-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 646

TRT#: 13

SEX: Male

DAY ON TEST: 761

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300646

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Inflammation TGLS = 4-6A]	Inflammation	Chronic Active, Marked
* Spleen	Hematopoietic Cell Proliferation	Minimal
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 647

TRT#: 13

SEX: Male

DAY ON TEST: 761

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300647

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* 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	* Nose	* Rete Testes	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 3-1]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Lym Node Mand			
Note: TGL 2 - NCL			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland	Acinus	Degeneration	Minimal
* Pancreas	Acinar Cell	Degeneration	Moderate
* Parathyroid Gl			
Note: Recut attempted			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Minimal
* Seminal Vesicle	Lumen	Dilatation	Marked
[Dilatation TGLS = 5-2A+2C]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 647

TRT#: 13

SEX: Male

DAY ON TEST: 761

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300647

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin
[Inflammation TGLS = 1-6A]

Inflammation

Chronic Active, Marked

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 648

TRT#: 11

SEX: Male

DAY ON TEST: 762

DOSE: F1 50PPB

DISP: Terminal Sacrifice

HISTO: 021380300648

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, Mesenteric	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration Vacuolization Cytoplasmic Developmental Malformation	Cystic, Mild Mild
* Coagulating Gland			
[Developmental Malformation TGLS = 5-2A]			
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst Nephropathy	Mild
[Cyst TGLS = 6-11]			
* Liver		Angiectasis Basophilic Focus Eosinophilic Focus	Mild
	Biliar Tract	Fibrosis Vacuolization Cytoplasmic	Minimal Mild
[Angiectasis TGLS = 8-9]			
[Basophilic Focus TGLS = 9-9]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Axillary	Infiltration Cellular	Plasma Cell, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 1-15A]			
[Infiltration Cellular TGLS = 2-15]			
* Lymph Node, Mandibular		Degeneration	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 648	TRT#: 11	SEX: Male	DAY ON TEST: 762
	DOSE: F1 50PPB	DISP: Terminal Sacrifice	HISTO: 021380300648

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLS = 4-4]		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 4-4]		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 4-4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-15B]			
* Nose	Mucosa	Keratin Cyst	
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Seminal Vesicle	Lumen	Dilatation	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 649

TRT#: 11

SEX: Male

DAY ON TEST: 761

DOSE: F1 50PPB

DISP: Terminal Sacrifice

HISTO: 021380300649

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Note: TGL 3 - NCL			
Note: TGL 4 - NCL			
* Adrenal Medulla		Hyperplasia	Minimal
Note: TGL 3 - NCL			
Note: TGL 4 - NCL			
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 5-9]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Nose		Foreign Body	
		Inflammation	Suppurative, Moderate
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 649	TRT#: 11	SEX: Male	DAY ON TEST: 761
	DOSE: F1 50PPB	DISP: Terminal Sacrifice	HISTO: 021380300649

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Duct	Dilatation Inflammation	Mild Suppurative, Minimal
[Dilatation TGLS = 2-2B] [Inflammation TGLS = 2-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-6A]			
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:44

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 650

TRT#: 11

SEX: Male

DAY ON TEST: 761

DOSE: F1 50PPB

DISP: Terminal Sacrifice

HISTO: 021380300650

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 3-9]		
* Lung		Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLS = 4,5,6,7,8-10]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
	[Infiltration Cellular TGLS = 1-4]		
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland	Duct	Dilatation	Moderate
		Inflammation	Suppurative, Marked
	[Dilatation TGLS = 2-2B]		
	[Inflammation TGLS = 2-2B]		
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 651 **TRT#:** 11 **SEX:** Male **DAY ON TEST:** 761
DOSE: F1 50PPB **DISP:** Terminal Sacrifice **HISTO:** 021380300651

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating 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	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Epididymis		Atrophy	Moderate
		Hypospermia	Marked
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Pancreas	Acinar Cell	Degeneration	Marked
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Rete Testes		Fibrosis	Mild
* Skin		Inflammation	Chronic Active, Marked
			[Inflammation TGLS = 3-6A]
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Stromal, Marked
			[Hyperplasia TGLS = 2-9A]
* Testes	Seminif Tub	Degeneration	Marked
			[Degeneration TGLS = 1-sp1]
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 652

TRT#: 14

SEX: Male

DAY ON TEST: 761

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300652

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating 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, Mesenteric	* Nose	* Parathyroid Gland
* Preputial Gland	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Coagulat GI			
Note: TGL 9 - NCL			
* Epididymis		Atrophy	Mild
		Hypospermia	Marked
[Atrophy TGLS = 2-2B]			
[Hypospermia TGLS = 2-2B]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Hepatocellular Carcinoma TGLS = 6-9A]			
Lymph Node	Lumbar	Degeneration	Cystic, Marked
[Degeneration TGLS = 5-15]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland	Duct	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 652	TRT#: 14	SEX: Male	DAY ON TEST: 761
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300652

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Degeneration	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Hyperplasia	Mild
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 7-6A]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
[Hematopoietic Cell Proliferation TGLS = 4-9]			
[Hyperplasia TGLS = 4-9]			
* Testes	Seminif Tub	Degeneration	Marked
[Degeneration TGLS = 3-sp1]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 653

TRT#: 14

SEX: Male

DAY ON TEST: 761

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300653

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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	* Pituitary Gland
* Preputial Gland	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Cyst	
		Degeneration	Cystic, Minimal
		Inflammation	Chronic Active, Minimal
[Cyst TGLS = 3-9]			
Lymph Node	Lumbar	Degeneration	Cystic, Mild
	Axillary	Hyperplasia	Lymphoid, Marked
	Lumbar	Hyperplasia	Lymphoid, Moderate
	Axillary	Infiltration Cellular	Plasma Cell, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 4-15A]			
[Hyperplasia TGLS = 2-15]			
[Hyperplasia TGLS = 4-15A]			
[Infiltration Cellular TGLS = 4-15A]			
[Infiltration Cellular TGLS = 2-15]			
* Lymph Node, Mandibular		Degeneration	Cystic, Moderate
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 653	TRT#: 14	SEX: Male	DAY ON TEST: 761
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300653

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLS = 1-4]			
[Hyperplasia TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Hyperplasia	Minimal
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 5-6A]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 654

TRT#: 14

SEX: Male

DAY ON TEST: 761

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300654

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Esophagus			
Note: Tissue located on slide 7R			
* Int Sm Duoden			
Note: Tissue located on slide 5			
* Kidney		Cyst	
		Mineralization	Mild
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Hemorrhage	Mild
Lymph Node	Lumbar	Degeneration	Cystic, Marked
[Degeneration TGLS = 3-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Suppurative, Marked
[Dilatation TGLS = 1-2B]			
[Inflammation TGLS = 1-2B]			
* Skin		Inflammation	Chronic Active, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 654	TRT#: 14	SEX: Male	DAY ON TEST: 761
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300654

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 4-6A]

* Spleen Note: TGL 2 - NCL			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Trachea Note: Tissue located on slide 7R			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:44

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 655

TRT#: 14

SEX: Male

DAY ON TEST: 761

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300655

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating 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	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Epididymis		Atrophy	Mild
		Hypospermia	Marked
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Eosinophilic Focus	
		Vacuolization Cytoplasmic	Minimal
		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mandibular [Hyperplasia TGLS = 2-4]		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Degeneration	Mild
* Pancreas	Acinar Cell	Inflammation	Chronic Active, Minimal
* Preputial Gland		Inflammation	Suppurative, Minimal
* Prostate, Dorsal/Lateral Lobe		Degeneration	Marked
* Testes [Degeneration TGLS = 1-15]	Seminif Tub		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 656	TRT#: 14	SEX: Male	DAY ON TEST: 761
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300656

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* 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	* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain, Cerebrum	Meninges	Hyperplasia	Mild
* Epididymis		Atrophy	Mild
		Hypospermia	Marked
			[Atrophy TGLS = 2-15A]
			[Hypospermia TGLS = 2-15A]
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	
		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Mild
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
			[Hepatodiaphragmatic Nodule TGLS = 7-9A]
* Lung		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland	Acinus	Degeneration	Mild
* Nose		Inflammation	Suppurative, Moderate
Oral Mucosa		Keratin Cyst	
			[Keratin Cyst TGLS = 6-14]
* Pancreas	Acinar Cell	Degeneration	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 656	TRT#: 14	SEX: Male	DAY ON TEST: 761
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300656

ORGAN AND ACCOUNTABLE SITE STATUS

Penis			
Note: TGL 6 - noted grossly as Cavity, nasal is Oral Mucosa			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Preputial Gland		Atrophy	Moderate
[Atrophy TGLS = 5-2B]			
* Prostate, Dorsal/Lateral Lobe		Infiltration Cellular	Lymphocyte, Minimal
* Skin		Inflammation	Suppurative, Minimal
[Inflammation TGLS = 3-6A]			
* Spleen		Inflammation	Chronic Active, Marked
* Testes	Seminif Tub	Pigmentation	Minimal
[Degeneration TGLS = 1-15]			
* Thymus		Degeneration	Marked
		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 6 - noted grossly as Cavity, nasal is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 675

TRT#: 8

SEX: Male

DAY ON TEST: 761

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300675

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Moderate
[Cyst TGLS = 1-11]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
[Hyperplasia TGLS = 2-10]			
[Infiltration Cellular TGLS = 2-10]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Chronic Active, Minimal
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 3-7]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 675

TRT#: 8

SEX: Male

DAY ON TEST: 761

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300675

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 676 **TRT#:** 8 **SEX:** Male **DAY ON TEST:** 761
DOSE: F1 0PPB **DISP:** Terminal Sacrifice **HISTO:** 021380300676

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia Vacuolization Cytoplasmic	Minimal Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Minimal
* Coagulat GI			
Note: TGL 1 - NCL			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Marked
[Degeneration TGLS = 2-15]			
[Infiltration Cellular TGLS = 2-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland	Acinus	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 676	TRT#: 8	SEX: Male	DAY ON TEST: 761
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300676

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland [Adenoma TGLS = 3-1]	Pars Distalis	Adenoma	
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Skin [Inflammation TGLS = 4-6A]		Inflammation	Chronic Active, Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 677

TRT#: 8

SEX: Male

DAY ON TEST: 761

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300677

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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, Mesenteric	* Nose	* Parathyroid Gland
* Prostate, Ventral Lobe	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Rete Testes

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 2-11]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Hyperplasia TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Dorsal/Lateral Lobe		Cyst	
		Inflammation	Suppurative, Mild
* Rete Testes			
Note: No recut or wet tissue per pathologist			
* Seminal Vesicle	Lumen	Dilatation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 677

TRT#: 8

SEX: Male

DAY ON TEST: 761

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300677

ORGAN AND ACCOUNTABLE SITE STATUS

[Dilatation TGLS = 3-2A+2C]

* Spleen

Pigmentation

Minimal

* Thymus

Atrophy

Marked

Cyst

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 678

TRT#: 9

SEX: Male

DAY ON TEST: 762

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300678

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Coagulat GI			
Note: TGL 7 - NCL			
* Epididymis		Atrophy	Marked
		Hypospermia	Marked
[Atrophy TGLS = 2-2C]			
[Hypospermia TGLS = 2-2C]			
* Intestine Small, Jejunum		Sarcoma	
[Sarcoma TGLS = 6-8]			
* Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Inflammation	Suppurative, Mild
		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 5-10]			
Lymph Node	Lumbar	Degeneration	Cystic, Marked
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 4-15]			
[Infiltration Cellular TGLS = 4-15]			
* Lymph Node, Mandibular		Degeneration	Cystic, Marked
[Degeneration TGLS = 1-4]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 678	TRT#: 9	SEX: Male	DAY ON TEST: 762
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300678

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland	Acinus	Degeneration	Marked
* Nose		Inflammation	Suppurative, Mild
		Metaplasia	Squamous, Moderate
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Seminal Vesicle	Lumen	Dilatation	Moderate
		Inflammation	Suppurative, Minimal
Note: TGL 8 - NCL			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Seminif Tub	Degeneration	Marked
[Degeneration TGLS = 3-15A]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 679

TRT#: 9

SEX: Male

DAY ON TEST: 762

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300679

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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
* Nose	* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Adrenal Medulla	* Thymus
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OBSERVATIONS

* Adren Medulla			
Note: Recut attempted			
* Heart	Endocardium	Schwannoma Malignant	
* Kidney		Nephropathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 3-10+10A]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Plasma Cell, Mild
[Hyperplasia TGLS = 2-4]			
[Infiltration Cellular TGLS = 2-4]			
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland		Fibroma	
[Fibroma TGLS = 1-15]			
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Testes	Seminif Tub	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 679

TRT#: 9

SEX: Male

DAY ON TEST: 762

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300679

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Note: Wet tissue attempted

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 680

TRT#: 9

SEX: Male

DAY ON TEST: 761

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300680

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mesenteric	* Nose	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Brain, Brain Stem [Compression TGLS = 3-3]		Compression	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Lactation	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland [Adenoma TGLS = 2-1]	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Suppurative, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 681

TRT#: 12

SEX: Male

DAY ON TEST: 762

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300681

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lymph Node, Mesenteric	* Nose	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 8-10A]			
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Marked
[Degeneration TGLS = 6-15]			
[Infiltration Cellular TGLS = 6-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Plasma Cell, Moderate
[Hyperplasia TGLS = 3-4]			
[Infiltration Cellular TGLS = 3-4]			
* Mammary Gland	Acinus	Degeneration	Minimal
* Pancreas	Acinar Cell	Degeneration	Moderate
* Parathyroid Gland		Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Preputial Gland	Duct	Dilatation	Moderate
		Inflammation	Suppurative, Marked
[Dilatation TGLS = 4-2B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 681	TRT#: 12	SEX: Male	DAY ON TEST: 762
	DOSE: F1/2PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300681

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 4-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
[Inflammation TGLS = 5-2]			
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1,2-6A]			
* Spleen		Hyperplasia	Lymphoid, Mild
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 682

TRT#: 12

SEX: Male

DAY ON TEST: 762

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Pituitary Gland	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 4-10A]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Nose	Mucosa	Keratin Cyst	
* Pancreas	Acinar Cell	Degeneration	Moderate
* Parathyroid Gland		Adenoma	
* Pituitary Gland			
Note: TGL 3 - NCL			
* Preputial Gland	Duct	Dilatation	Moderate
		Inflammation	Suppurative, Moderate
[Dilatation TGLS = 1-2B]			
[Inflammation TGLS = 1-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Chronic Active, Minimal
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 682	TRT#: 12	SEX: Male	DAY ON TEST: 762
	DOSE: F1/2PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300682

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Inflammation TGLS = 2-6A]	Inflammation	Chronic Active, Marked
* Spleen	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Mild
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 683

TRT#: 12

SEX: Male

DAY ON TEST: 762

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300683

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	* 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, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Prostate, Dorsal/lateral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 2-2A]			
* Kidney		Cyst	
[Cyst TGLS = 5-11]		Nephropathy	Mild
* Lung			
Note: TGL 6 - NCL			
Lymph Node	Lumbar	Hyperplasia	Lymphoid, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Hyperplasia TGLS = 4-15]			
[Infiltration Cellular TGLS = 4-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Plasma Cell, Marked
[Hyperplasia TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Nose	Mucosa	Hyperkeratosis	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 683

TRT#: 12

SEX: Male

DAY ON TEST: 762

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300683

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate, Ventral Lobe

Inflammation

Chronic Active, Mild

* Skin

Inflammation

Chronic Active, Marked

[Inflammation TGLS = 3-6A]

* Testes

Seminif Tub

Degeneration

Mild

* Thymus

Atrophy

Marked

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 684

TRT#: 12

SEX: Male

DAY ON TEST: 762

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300684

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Vacuolization Cytoplasmic	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 3-10]			
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
[Degeneration TGLS = 1-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
		Infiltration Cellular	Plasma Cell, Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal
[Cyst TGLS = 2-1]			
* Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Suppurative, Moderate
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 684

TRT#: 12

SEX: Male

DAY ON TEST: 762

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300684

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 685

TRT#: 12

SEX: Male

DAY ON TEST: 761

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300685

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	* Mammary Gland	* Nose
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 2-2A]			
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
[Cyst TGLS = 4-11]		Nephropathy	Minimal
* Liver		Vacuolization Cytoplasmic	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Artery	Mineralization	Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Mild
[Degeneration TGLS = 3-15]	Lumbar	Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 3-15]			
* Lymph Node, Mandibular		Degeneration	Cystic, Marked
[Degeneration TGLS = 1-4]		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 1-4]			
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Parathyroid Gland		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 685	TRT#: 12	SEX: Male	DAY ON TEST: 761
	DOSE: F1/2PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300685

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Chronic Active, Minimal
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Minimal
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:44

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 686

TRT#: 10

SEX: Male

DAY ON TEST: 762

DOSE: F1 10PPB

DISP: Terminal Sacrifice

HISTO: 021380300686

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* 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	* Liver	* Lymph Node, Mandibular	* Nose
* Preputial Gland	* Prostate, Ventral Lobe	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Rete Testes

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 2-1]			
* Epididymis		Atrophy	Moderate
		Hypospermia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 5-10]			
Lymph Node	Pancreatic	Degeneration	Cystic, Moderate
[Degeneration TGLS = 3-8]			
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
Note: TGL 3 - noted grossly as Lymph Node, mesenteric is Lymph Node, pancreatic			
* Mammary Gland	Acinus	Degeneration	Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Rete Testes			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 686	TRT#: 10	SEX: Male	DAY ON TEST: 762
	DOSE: F1 10PPB	DISP: Terminal Sacrifice	HISTO: 021380300686

ORGAN AND ACCOUNTABLE SITE STATUS

Note: No recut or wet tissue per pathologist

* Skin [Inflammation TGLS = 4-6A]		Inflammation	Chronic Active, Marked
* Testes [Degeneration TGLS = 1-15]	Seminif Tub	Degeneration	Marked
* Thymus		Atrophy	Moderate
* Thyroid Gland		Cyst	Squamous
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 687

TRT#: 10

SEX: Male

DAY ON TEST: 762

DOSE: F1 10PPB

DISP: Terminal Sacrifice

HISTO: 021380300687

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	* Liver	* Lung
* Nose	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 3-1]			
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 2-2A]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Cyst	
	Capsule	Inflammation	Chronic Active, Marked
		Nephropathy	Minimal
[Inflammation TGLS = 4-11]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Degeneration	Cystic, Minimal
		Hyperplasia	Lymphoid, Mild
* Mammary Gland	Acinus	Degeneration	Minimal
* Pancreas	Acinar Cell	Degeneration	Minimal
* Parathyroid Gland			
Note: Recut attempted			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Atrophy	Minimal
		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 687	TRT#: 10	SEX: Male	DAY ON TEST: 762
	DOSE: F1 10PPB	DISP: Terminal Sacrifice	HISTO: 021380300687

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 6-2B]			
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 1-15]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Testes	Seminif Tub	Degeneration	Minimal
[Degeneration TGLS = 5-sp1]			
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:44

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 688

TRT#: 10

SEX: Male

DAY ON TEST: 762

DOSE: F1 10PPB

DISP: Terminal Sacrifice

HISTO: 021380300688

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* 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	* Pancreas
* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
		Hyperplasia	Minimal
* Bone Marrow		Hypocellularity	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Eosinophilic Focus	
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	
<p>Note: Vacuolated Cell Focus is unavailable - coded as Focal Cell Change [Angiectasis TGLS = 1-9] [Focal Cellular Change TGLS = 2-9A]</p>			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland	Acinus	Degeneration	Moderate
* Nose	Vomeronas Org	Dilatation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Hyperplasia	Mild
<p>[Adenoma TGLS = 3-1]</p>			
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 688	TRT#: 10	SEX: Male	DAY ON TEST: 762
	DOSE: F1 10PPB	DISP: Terminal Sacrifice	HISTO: 021380300688

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Spleen	Capsule	Cyst	
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
[Cyst TGLS = 4-9]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 689

TRT#: 10
DOSE: F1 10PPB

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 762
HISTO: 021380300689

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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
* Preputial Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
	[Cyst TGLS = 5-11]		
* Liver		Inflammation	Chronic Active, Minimal
* Lung		Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLS = 6-10]		
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Plasma Cell, Mild
	[Degeneration TGLS = 2-4]		
	[Hyperplasia TGLS = 2-4]		
	[Infiltration Cellular TGLS = 2-4]		
* Mammary Gland		Ectasia	Minimal
	Alveolus	Hyperplasia	Minimal
		Lactation	Minimal
* Nose		Inflammation	Suppurative, Minimal
* Pancreas	Acinar Cell	Degeneration	Minimal
* Parathyroid Gland		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 689	TRT#: 10	SEX: Male	DAY ON TEST: 762
	DOSE: F1 10PPB	DISP: Terminal Sacrifice	HISTO: 021380300689

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate, Dorsal/Lateral Lobe [Inflammation TGLS = 4-2]		Inflammation	Suppurative, Mild
* Skin [Fibrosis TGLS = 3-15] [Inflammation TGLS = 1-6A]		Fibrosis Inflammation	Mild Chronic Active, Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 690

TRT#: 10

SEX: Male

DAY ON TEST: 762

DOSE: F1 10PPB

DISP: Terminal Sacrifice

HISTO: 021380300690

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	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adren Medulla Note: TGL 3 - NCL			
* Adrenal Cortex Note: TGL 3 - NCL		Hyperplasia	Mild
* Coagulating Gland		Developmental Malformation	
* Kidney		Nephropathy	Minimal
Lymph Node [Degeneration TGLS = 4-15]	Renal	Degeneration	Cystic, Marked
* Lymph Node, Mandibular [Hyperplasia TGLS = 5-4] [Infiltration Cellular TGLS = 5-4]		Hyperplasia Infiltration Cellular	Lymphoid, Mild Plasma Cell, Mild
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Minimal
* Pancreas	Acinar Cell	Degeneration	Minimal
* Preputial Gland [Abscess TGLS = 2-2B]		Abscess	Marked
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Hyperplasia	Mild
* Skin [Inflammation TGLS = 1-6A]		Inflammation	Chronic Active, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 690	TRT#: 10	SEX: Male	DAY ON TEST: 762
	DOSE: F1 10PPB	DISP: Terminal Sacrifice	HISTO: 021380300690

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 691

TRT#: 13

SEX: Male

DAY ON TEST: 762

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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	* Liver	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Cyst	
		Nephropathy	Moderate
[Cyst TGLS = 4-11]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
[Hyperplasia TGLS = 6,7,8-10]			
[Infiltration Cellular TGLS = 6,7,8-10]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland		Ectasia	Minimal
		Lactation	Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Preputial Gland	Duct	Dilatation	Minimal
		Inflammation	Suppurative, Moderate
[Dilatation TGLS = 2-2B]			
[Inflammation TGLS = 2-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Skin		Inflammation	Chronic Active, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 691

TRT#: 13

SEX: Male

DAY ON TEST: 762

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300691

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 5-6A]

* Spleen

Pigmentation

Mild

* Thymus

Atrophy

Marked

Epithel Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 692

TRT#: 13

SEX: Male

DAY ON TEST: 762

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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	* Nose	* Pancreas	* Preputial Gland
* Rete Testes	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Lactation	Mild
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Inflammation	Suppurative, Minimal
* Seminal Vesicle	Lumen	Dilatation	Marked
[Dilatation TGLS = 1-2A]			
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 3-6A]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Testes	Seminif Tub	Degeneration	Marked
[Degeneration TGLS = 2-15]			
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 692

TRT#: 13

SEX: Male

DAY ON TEST: 762

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300692

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 693

TRT#: 13

SEX: Male

DAY ON TEST: 762

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300693

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* 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	* Parathyroid Gland	* Pituitary Gland	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Adrenal Medulla

OBSERVATIONS

* Adren Medulla			
Note: Recut attempted			
* Adrenal Cortex		Degeneration	Cystic, Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Hematopoietic Cell Proliferation	Minimal
		Vacuolization Cytoplasmic	Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Marked
[Degeneration TGLS = 3-15]			
* Mammary Gland	Acinus	Degeneration	Marked
* Pancreas	Acinar Cell	Degeneration	Mild
* Preputial Gland		Atrophy	Mild
[Atrophy TGLS = 1-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 693

TRT#: 13

SEX: Male

DAY ON TEST: 762

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300693

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation

Mild

Hyperplasia

Stromal, Marked

[Hyperplasia TGLS = 2-9]

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 694

TRT#: 13

SEX: Male

DAY ON TEST: 762

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300694

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Liver	* Lung	* Nose
* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Cyst	
		Nephropathy	Moderate
Lymph Node	Lumbar	Degeneration	Cystic, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
Note: TGL 1 - NCL (pancreatic, enlarged) [Degeneration TGLS = 2-15A] [Infiltration Cellular TGLS = 2-15A]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland	Acinus	Degeneration	Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Dorsal/Lateral Lobe		Infiltration Cellular	Lymphocyte, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 694

TRT#: 13

SEX: Male

DAY ON TEST: 762

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300694

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Thyroid G1			
Note: TGL 3 - NCL			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 695

TRT#: 11
DOSE: F1 50PPB

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 762
HISTO: 021380300695

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* 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, Mesenteric
* Nose	* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Epididymis		Atrophy	Mild
		Hypospermia	Marked
* Heart		Cardiomyopathy	Moderate
* Kidney		Cyst	
		Nephropathy	Moderate
[Cyst TGLS = 2-11]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Mixed Cell Focus	
		Tension Lipidosis	Minimal
		Vacuolization Cytoplasmic	Mild
[Degeneration TGLS = 3,4-9]			
[Mixed Cell Focus TGLS = 3,4-9]			
[Tension Lipidosis TGLS = 3,4-9]			
[Vacuolization Cytoplasmic TGLS = 3,4-9]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
[Hyperplasia TGLS = 5-4]			
[Infiltration Cellular TGLS = 5-4]			
* Mammary Gland	Acinus	Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 695	TRT#: 11	SEX: Male	DAY ON TEST: 762
	DOSE: F1 50PPB	DISP: Terminal Sacrifice	HISTO: 021380300695

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Salivary Glands	Acinus	Degeneration	Moderate
	Duct	Dilatation	Marked
* Skin		Fibroma	
[Fibroma TGLS = 1-15]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Testes	Seminif Tub	Degeneration	Marked
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 1 - noted grossly as Lymph Node, inguinal is Skin

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 696	TRT#: 11	SEX: Male	DAY ON TEST: 762
	DOSE: F1 50PPB	DISP: Terminal Sacrifice	HISTO: 021380300696

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	* Lung	* Nose	* Pituitary Gland
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 2-2A]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Hematopoietic Cell Proliferation	Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Moderate
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 1-4]			
[Hyperplasia TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Minimal
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Pancreas	Acinar Cell	Degeneration	Moderate
* Parathyroid Gland		Hyperplasia	Minimal
* Preputial Gland		Inflammation	Suppurative, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:44

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 696

TRT#: 11

SEX: Male

DAY ON TEST: 762

DOSE: F1 50PPB

DISP: Terminal Sacrifice

HISTO: 021380300696

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 697

TRT#: 11

SEX: Male

DAY ON TEST: 762

DOSE: F1 50PPB

DISP: Terminal Sacrifice

HISTO: 021380300697

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	* Nose
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 1-2A]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
		Inflammation	Granulomatous, Minimal
[Hyperplasia TGLS = 2-8]			
[Inflammation TGLS = 2-8]			
* Mammary Gland	Alveolus	Hyperplasia	Moderate
* Pancreas	Acinar Cell	Degeneration	Moderate
* Parathyroid Gland			
Note: No recut attempt per pathologist (tissue cut away)			
* Pituitary Gland	Pars Distalis	Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 697	TRT#: 11	SEX: Male	DAY ON TEST: 762
	DOSE: F1 50PPB	DISP: Terminal Sacrifice	HISTO: 021380300697

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Seminif Tub	Degeneration	Minimal
		Seminoma Benign	
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 698

TRT#: 11
DOSE: F1 50PPB

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 762
HISTO: 021380300698

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
[Degeneration TGLS = 3-9]			
Lymph Node	Lumbar	Degeneration	Cystic, Mild
[Degeneration TGLS = 4-15]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 1-4]			
[Hyperplasia TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Pancreas	Acinar Cell	Degeneration	Moderate
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 698	TRT#: 11	SEX: Male	DAY ON TEST: 762
	DOSE: F1 50PPB	DISP: Terminal Sacrifice	HISTO: 021380300698

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Inflammation TGLS = 2-6A]		Inflammation	Chronic Active, Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 699

TRT#: 11
DOSE: F1 50PPB

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 762
HISTO: 021380300699

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
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate, Ventral Lobe
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Coagulating Gland		Developmental Malformation	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Note: TGL 4 - NCL			
[Infiltration Cellular TGLS = 5-10]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Hyperplasia TGLS = 2-4]			
[Infiltration Cellular TGLS = 2-4]			
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
[Adenoma TGLS = 6-1]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Chronic Active, Mild
* Rete Testes		Dilatation	Minimal
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 1-6A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 699	TRT#: 11	SEX: Male	DAY ON TEST: 762
	DOSE: F1 50PPB	DISP: Terminal Sacrifice	HISTO: 021380300699

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Carcinoma	
	[Carcinoma TGLS = 3-5]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 700

TRT#: 14

SEX: Male

DAY ON TEST: 762

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300700

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, Jejunum	* Islets, Pancreatic	* Nose	* Prostate, Ventral Lobe
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Rete Testes

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 10-3]			
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 6-2A]			
* Epididymis		Atrophy	Moderate
		Hypospermia	Marked
[Atrophy TGLS = 5-2B]			
[Hypospermia TGLS = 5-2B]			
* Harderian Gland	Acinus	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
	Ventricle	Dilatation	Moderate
* Kidney		Nephropathy	Marked
* Liver		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
	Artery	Mineralization	Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 700	TRT#: 14	SEX: Male	DAY ON TEST: 762
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300700

ORGAN AND ACCOUNTABLE SITE STATUS

	Renal	Degeneration	Cystic, Marked
	Renal	Infiltration Cellular	Plasma Cell, Marked
	[Degeneration TGLS = 7-15A]		
	[Degeneration TGLS = 8-15B]		
	[Infiltration Cellular TGLS = 7-15A]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
	[Infiltration Cellular TGLS = 2-4]		
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Moderate
* Mammary Gland	Acinus	Degeneration	Moderate
		Fibroma	
	[Fibroma TGLS = 3-15]		
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 9-1]		
* Preputial Gland		Atrophy	Mild
		Infiltration Cellular	Lymphocyte, Mild
	[Atrophy TGLS = 11-2B]		
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Rete Testes			
Note: No recut or wet tissue per pathologist			
* Sem Ves			
Note: TGL 6 - noted grossly as Seminal Vesicle is Coagulating Gland			
* Skin		Inflammation	Chronic Active, Marked
	[Inflammation TGLS = 1-6A]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Seminif Tub	Degeneration	Marked
	[Degeneration TGLS = 4-sp1]		
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH -			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 701

TRT#: 14

SEX: Male

DAY ON TEST: 762

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300701

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating 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, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Epididymis		Atrophy	Mild
		Hypospermia	Marked
* Eye		Cataract	
[Cataract TGLS = 4-12]			
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 3-11]			
* Liver	Bile Duct	Hyperplasia	Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Hyperplasia	Lymphoid, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Marked
[Degeneration TGLS = 2-15]			
[Hyperplasia TGLS = 2-15]			
[Infiltration Cellular TGLS = 2-15]			
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
		Infiltration Cellular	Plasma Cell, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 701	TRT#: 14	SEX: Male	DAY ON TEST: 762
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300701

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 5-6A]			
* Testes	Seminif Tub	Degeneration	Marked
[Degeneration TGLS = 1-sp1]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 702 **TRT#:** 14 **SEX:** Male **DAY ON TEST:** 762
DOSE: F1/50PPB TO CTL **DISP:** Terminal Sacrifice **HISTO:** 021380300702

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
Lymph Node	Lumbar	Degeneration	Cystic, Minimal
	Pancreatic	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Mild
	Popliteal	Infiltration Cellular	Plasma Cell, Marked
[Degeneration TGLS = 4-15B]			
[Hyperplasia TGLS = 3-15A]			
[Infiltration Cellular TGLS = 4-15B]			
[Infiltration Cellular TGLS = 5-15C]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 2-4]			
[Infiltration Cellular TGLS = 2-4]			
* Mammary Gland	Acinus	Degeneration	Mild
		Fibrosis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 702	TRT#: 14	SEX: Male	DAY ON TEST: 762
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300702

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 1-15]			
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 7-6A]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 703

TRT#: 14

SEX: Male

DAY ON TEST: 762

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300703

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* Esophagus	* Eye	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate, Ventral Lobe	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Epididymis		Polyarteritis	Mild
* Harderian Gland		Polyarteritis	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Polyarteritis	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Preputial Gland		Polyarteritis	Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Rete Testes		Dilatation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Testes	Seminif Tub	Degeneration	Moderate
		Polyarteritis	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 703

TRT#: 14

SEX: Male

DAY ON TEST: 762

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300703

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 704

TRT#: 14

SEX: Male

DAY ON TEST: 762

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300704

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Suppurative, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 725

TRT#: 8

SEX: Male

DAY ON TEST: 762

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300725

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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, Mesenteric	* Nose	* Parathyroid Gland
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 2-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland	Acinus	Degeneration	Marked
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Preputial Gland	Duct	Dilatation	Moderate
		Inflammation	Suppurative, Marked
[Dilatation TGLS = 1-2B]			
[Inflammation TGLS = 1-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Moderate
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 726

TRT#: 8

SEX: Male

DAY ON TEST: 762

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300726

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* 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	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Adrenal Medulla	Bilateral	Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
Note: TGL 7 - NCL			
[Hepatodiaphragmatic Nodule TGLS = 6-9]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
[Hyperplasia TGLS = 5-10]			
[Infiltration Cellular TGLS = 5-10]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Minimal
		Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 2-4]			
[Hyperplasia TGLS = 2-4]			
[Infiltration Cellular TGLS = 2-4]			
* Mammary Gland	Acinus	Degeneration	Moderate
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 726	TRT#: 8	SEX: Male	DAY ON TEST: 762
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300726

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Duct	Dilatation Inflammation	Minimal Suppurative, Mild
[Dilatation TGLS = 3-2B] [Inflammation TGLS = 3-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-6A]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 727

TRT#: 8

SEX: Male

DAY ON TEST: 762

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300727

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Preputial Gland	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Left Lat Lobe	Developmental Malformation	
		Hepatodiaphragmatic Nodule	
	[Developmental Malformation TGLS = 4-9]		
	[Hepatodiaphragmatic Nodule TGLS = 3-9]		
* Lung		Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLS = 6,7-10]		
Lymph Node	Renal	Degeneration	Cystic, Moderate
	[Degeneration TGLS = 5-15]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
	[Hyperplasia TGLS = 2-4]		
* Mammary Gland	Acinus	Degeneration	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Skin		Inflammation	Chronic Active, Marked
	[Inflammation TGLS = 1-6A]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 727	TRT#: 8	SEX: Male	DAY ON TEST: 762
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300727

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach [Hyperplasia TGLS = 8-7]	Epithelium	Pigmentation Hyperplasia	Mild Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 728

TRT#: 8

SEX: Male

DAY ON TEST: 762

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300728

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adren Cortex			
Note: TGL 1 - NCL			
* Adren Medulla			
Note: TGL 1 - NCL			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 4,5,6-10+10A]			
Lymph Node	Lumbar	Degeneration	Cystic, Marked
[Degeneration TGLS = 2-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe		Hyperplasia	Mild
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 3-6A]			
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 728

TRT#: 8

SEX: Male

DAY ON TEST: 762

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300728

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 729

TRT#: 8

SEX: Male

DAY ON TEST: 762

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300729

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* 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	* Lymph Node, Mesenteric
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Cyst	
		Nephropathy	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 3-4]			
* Mammary Gland	Acinus	Degeneration	Minimal
Note: TGL 1 - noted grossly as Mammary Gland is Skin			
* Nose	Mucosa	Hyperkeratosis	Moderate
[Hyperkeratosis TGLS = 5-14A]			
* Pancreas	Acinar Cell	Degeneration	Minimal
* Parathyroid GI			
Note: Recut attempted			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 729	TRT#: 8	SEX: Male	DAY ON TEST: 762
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300729

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	Cyst Epithelial Inclusion Inflammation	Chronic Active, Marked
[Cyst Epithelial Inclusion TGLS = 1-15] [Inflammation TGLS = 4-6A]		
* Spleen	Hematopoietic Cell Proliferation Hyperplasia	Mild Lymphoid, Mild
[Hematopoietic Cell Proliferation TGLS = 2-9] [Hyperplasia TGLS = 2-9]		
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH -

Animal Note: TGL 5 - noted grossly as Cavity, oral is Nose

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 730

TRT#: 9

SEX: Male

DAY ON TEST: 763

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300730

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, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 6-2A]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
[Degeneration TGLS = 3-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Plasma Cell, Mild
[Hyperplasia TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 2-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe		Hyperplasia	Minimal
* Skin		Hyperkeratosis	Moderate
		Inflammation	Chronic Active, Marked
[Hyperkeratosis TGLS = 5-6B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 730	TRT#: 9	SEX: Male	DAY ON TEST: 763
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300730

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 4-6A]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Minimal
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 731

TRT#: 9

SEX: Male

DAY ON TEST: 762

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300731

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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	* Parathyroid Gland
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLS = 3-10+10A+10B]		
* Mammary Gland		Fibroma	
	Alveolus	Hyperplasia	Minimal
	[Fibroma TGLS = 1-15]		
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Dilatation	Mild
	[Dilatation TGLS = 2-2B]	Inflammation	Suppurative, Mild
	[Inflammation TGLS = 2-2B]		
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Spleen		Pigmentation	Moderate
* Stomach, Glandular		Cyst	
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 732

TRT#: 9

SEX: Male

DAY ON TEST: 763

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300732

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Nose
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain, Brain Stem [Compression TGLS = 7-3]		Compression	Minimal
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Eosinophilic Focus	
Note: TGL 3 - NST [Angiectasis TGLS = 8-9]			
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 4-15]			
[Hyperplasia TGLS = 4-15]			
[Infiltration Cellular TGLS = 4-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
[Hyperplasia TGLS = 2-4]			
[Infiltration Cellular TGLS = 2-4]			
* Lymph Node, Mesenteric		Degeneration	Cystic, Minimal
* Mammary Gland	Acinus	Degeneration	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 732	TRT#: 9	SEX: Male	DAY ON TEST: 763
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300732

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-1]		
* Preputial Gland		Inflammation	Suppurative, Moderate
	[Inflammation TGLS = 1-2B]		
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Hyperplasia	Minimal
* Skin		Inflammation	Chronic Active, Marked
	[Inflammation TGLS = 5-6A]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 733

TRT#: 9

SEX: Male

DAY ON TEST: 762

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300733

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 1-11]			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 4-10]			
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Renal	Degeneration	Cystic, Moderate
[Degeneration TGLS = 3-15A]			
[Degeneration TGLS = 2-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland	Acinus	Degeneration	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Intermed	Cyst	
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 5-6A]			
* Spleen		Pigmentation	Mild
* Stomach, Forestomach		Edema	Moderate
		Necrosis	Mild
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 733

TRT#: 9

SEX: Male

DAY ON TEST: 762

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300733

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:44

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 734

TRT#: 9

SEX: Male

DAY ON TEST: 762

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300734

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, Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Vacuolization Cytoplasmic Developmental Malformation	Mild
* Coagulating Gland [Developmental Malformation TGLS = 7-2A]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver [Hepatocellular Adenoma TGLS = 3-9]		Hepatocellular Adenoma	
* Lung [Infiltration Cellular TGLS = 4,5-10]		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular [Infiltration Cellular TGLS = 1-4]		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Acinus	Degeneration	Marked
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland Note: TGL 6 - NCL			
* Preputial Gland [Dilatation TGLS = 2-2B] [Inflammation TGLS = 2-2B]	Duct	Dilatation Inflammation	Mild Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 734

TRT#: 9

SEX: Male

DAY ON TEST: 762

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300734

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate, Dorsal/Lateral Lobe

Inflammation

Suppurative, Minimal

* Spleen

Pigmentation

Minimal

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 735

TRT#: 9

SEX: Male

DAY ON TEST: 762

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300735

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, Mesenteric	* Nose
* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Coagulating Gland	Lumen	Dilatation	Moderate
[Dilatation TGLS = 4-2A]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 5-10A]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Hyperplasia TGLS = 2-4]			
[Infiltration Cellular TGLS = 2-4]			
* Mammary Gland	Acinus	Degeneration	Minimal
* Pancreas	Acinar Cell	Degeneration	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Preputial Gland	Duct	Dilatation	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
[Dilatation TGLS = 3-2B]			
[Infiltration Cellular TGLS = 3-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Skin		Inflammation	Chronic Active, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:44

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 735

TRT#: 9

SEX: Male

DAY ON TEST: 762

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300735

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 1-6A]

* Spleen

Pigmentation

Mild

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 736

TRT#: 9

SEX: Male

DAY ON TEST: 762

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300736

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Adrenal Medulla	* Rete Testes
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OBSERVATIONS

* Adren Medulla			
Note: Recut attempted			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 4-10]			
Lymph Node	Lumbar	Degeneration	Cystic, Mild
		Degeneration	Cystic, Marked
[Degeneration TGLS = 2-15]			
[Degeneration TGLS = 3-15A]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Preputial Gland		Atrophy	Mild
		Infiltration Cellular	Lymphocyte, Mild
[Atrophy TGLS = 1-2B]			
[Infiltration Cellular TGLS = 1-2B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 736	TRT#: 9	SEX: Male	DAY ON TEST: 762
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300736

ORGAN AND ACCOUNTABLE SITE STATUS

* Rete Testes

Note: No recut or wet tissue attempt per pathologist

* Thymus	Atrophy	Marked
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 737

TRT#: 12

SEX: Male

DAY ON TEST: 763

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300737

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* 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	* Mammary Gland	* Nose	* Prostate, Dorsal/lateral Lobe
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
		Atrophy	Moderate
		Hypertrophy	Moderate
	[Accessory Adrenal Cortical Nodule TGLS = 12-1]		
	[Atrophy TGLS = 11-1]		
* Adrenal Medulla		Atrophy	Moderate
		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLS = 2-1]		
* Epididymis		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
	Ventricle	Dilatation	Marked
		Metaplasia	Osseous, Mild
	Atrium	Thrombosis	Marked
	[Dilatation TGLS = 7-6]		
	[Thrombosis TGLS = 8-6]		
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Hyperplasia	Mild
		Inflammation	Suppurative, Moderate
		Nephropathy	Marked
		Polycystic Kidney	Marked

Note: Wet tissue requested for TGL 13 on slide 11A

[Adenoma TGLS = 13-11A]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 737	TRT#: 12	SEX: Male	DAY ON TEST: 763
	DOSE: F1/2PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300737

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 3-11] [Inflammation TGLS = 3-11] [Nephropathy TGLS = 3-11] [Polycystic Kidney TGLS = 4-11]			
* Liver		Degeneration Inflammation	Cystic, Minimal Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular	Mild Histiocyte, Moderate
[Hyperplasia TGLS = 10-10] [Infiltration Cellular TGLS = 10-10]			
Lymph Node	Lumbar Lumbar	Degeneration Infiltration Cellular	Cystic, Mild Plasma Cell, Mild
[Degeneration TGLS = 6-15] [Infiltration Cellular TGLS = 6-15]			
* Lymph Node, Mandibular		Degeneration Infiltration Cellular	Cystic, Moderate Plasma Cell, Mild
[Degeneration TGLS = 5-4] [Infiltration Cellular TGLS = 5-4]			
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Parathyroid Gland		Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Dilatation Inflammation	Moderate Suppurative, Mild
[Dilatation TGLS = 1-2B] [Inflammation TGLS = 1-2B]			
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 9-6A]			
* Spleen		Hyperplasia	Lymphoid, Mild
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 737

TRT#: 12

SEX: Male

DAY ON TEST: 763

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300737

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Cyst

Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 738

TRT#: 12

SEX: Male

DAY ON TEST: 762

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300738

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* 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	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Epididymis		Hypospermia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Mild
[Degeneration TGLS = 4-15]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 3-4]			
[Infiltration Cellular TGLS = 3-4]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Dilatation	Marked
		Inflammation	Suppurative, Marked
[Dilatation TGLS = 2-2B]			
[Inflammation TGLS = 2-2B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 738	TRT#: 12	SEX: Male	DAY ON TEST: 762
	DOSE: F1/2PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300738

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Cyst Epithelial Inclusion Inflammation	Chronic Active, Marked
[Cyst Epithelial Inclusion TGLS = 1-6A] [Inflammation TGLS = 5-6B]			
* Testes	Seminif Tub	Degeneration	Marked
[Degeneration TGLS = 6-15A]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 739

TRT#: 12

SEX: Male

DAY ON TEST: 762

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300739

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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	* Liver	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Prostate, Ventral Lobe
* Rete Testes	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hypocellularity	Mild
* Coagulating Gland		Developmental Malformation	
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 2-10]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
* Preputial Gland		Inflammation	Suppurative, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Salivary Glands	Acinus	Degeneration	Mild
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 1-6A]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 740

TRT#: 12

SEX: Male

DAY ON TEST: 762

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300740

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Biliar Tract	Fibrosis	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
		Infiltration Cellular	Plasma Cell, Minimal
[Hyperplasia TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Pancreas	Acinar Cell	Degeneration	Marked
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Skin	Dermis	Fibrosis	Moderate
		Inflammation	Chronic Active, Marked
Note: Wet tissue requested for TGL 4 on slide 6C			
[Fibrosis TGLS = 4-6B+6C]			
[Inflammation TGLS = 2-6A]			
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 740

TRT#: 12

SEX: Male

DAY ON TEST: 762

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300740

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Cyst

Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 741

TRT#: 12

SEX: Male

DAY ON TEST: 762

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300741

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Mammary Gland	* Nose	* Parathyroid Gland	* Prostate, Dorsal/lateral Lobe
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 2-10]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-6A]			
* Thymus			

Note: Wet tissue attempted

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 742

TRT#: 12
DOSE: F1/2PPB TO CTL

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 762
HISTO: 021380300742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	Peripheral Nerve	* Prostate, Dorsal/lateral Lobe	* Rete Testes
* Salivary Glands	Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea		

AUTO PRECLUDES DIAG.

Spinal Cord

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Marked
[Cyst TGLS = 3-11]			
[Nephropathy TGLS = 3-11]			
* Liver		Degeneration	Cystic, Minimal
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Lymphocyte, Minimal
[Hepatodiaphragmatic Nodule TGLS = 7-9]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 6-10]			
Lymph Node	Lumbar	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
	Renal	Infiltration Cellular	Plasma Cell, Moderate
[Hyperplasia TGLS = 5-15A]			
[Infiltration Cellular TGLS = 4-15]			
[Infiltration Cellular TGLS = 5-15A]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 742	TRT#: 12	SEX: Male	DAY ON TEST: 762
	DOSE: F1/2PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300742

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Acinus	Inflammation	Granulomatous, Mild
* Pancreas	Acinar Cell	Degeneration	Marked
Perph Nerve		Degeneration	Minimal
Note: Removal observations indicated posterior paralysis. Tissue processed per NTP SOW.			
Note: Tissue located on slide 15B.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Hyperplasia	Mild
* Seminal Vesicle	Lumen	Dilatation	Mild
[Dilatation TGLS = 8-2A]			
Skel Muscle			
Note: Removal observations indicated posterior paralysis. Tissue processed per NTP SOW.			
Note: Tissue located on slide 15B.			
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-6A]			
Spinal Cord			
Note: Tissue located on slide 15B.			
Note: Removal observations indicated posterior paralysis. Tissue processed per NTP SOW.			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous
* Urinary Bladder		Dilatation	Marked
[Dilatation TGLS = 2-11A]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 743

TRT#: 10
DOSE: F1 10PPB

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 762
HISTO: 021380300743

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex [Carcinoma TGLS = 4-1]		Carcinoma	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 5,6-10]			
[Infiltration Cellular TGLS = 5,6-10]			
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
[Degeneration TGLS = 3-15]			
* Mammary Gland	Acinus	Degeneration	Moderate
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal
[Cyst TGLS = 7-1]			
* Preputial Gland	Duct	Dilatation	Moderate
		Inflammation	Suppurative, Minimal
[Dilatation TGLS = 2-2B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 743	TRT#: 10	SEX: Male	DAY ON TEST: 762
	DOSE: F1 10PPB	DISP: Terminal Sacrifice	HISTO: 021380300743

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 2-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Seminal Vesicle	Lumen	Dilatation	Mild
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-6A]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 744

TRT#: 10

SEX: Male

DAY ON TEST: 762

DOSE: F1 10PPB

DISP: Terminal Sacrifice

HISTO: 021380300744

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* 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
* Nose	* Parathyroid Gland	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Brain, Cerebellum		Angiectasis	Moderate
[Angiectasis TGLS = 8-3]			
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 4-2A]			
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Minimal
	Lumbar	Hyperplasia	Lymphoid, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Marked
	Mediastinal	Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 5-15]			
[Hyperplasia TGLS = 5-15]			
[Infiltration Cellular TGLS = 6-15A]			
[Infiltration Cellular TGLS = 5-15]			
* Mammary Gland		Ectasia	Minimal
	Duct	Hyperplasia	Minimal
		Lactation	Mild
* Pancreas	Acinar Cell	Degeneration	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 744	TRT#: 10	SEX: Male	DAY ON TEST: 762
	DOSE: F1 10PPB	DISP: Terminal Sacrifice	HISTO: 021380300744

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 7-1]	Pars Distalis	Adenoma	
* Preputial Gland [Dilatation TGLS = 3-2B] [Inflammation TGLS = 3-2B]	Duct	Dilatation Inflammation	Moderate Suppurative, Moderate
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Hyperplasia Infiltration Cellular	Minimal Lymphocyte, Minimal
* Skin [Inflammation TGLS = 1-6A] [Squamous Cell Papilloma TGLS = 2-6B]		Inflammation Squamous Cell Papilloma	Chronic Active, Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Pigmentation	Mild
* Thyroid Gland		Atrophy Cyst	Marked Squamous

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 745

TRT#: 10
DOSE: F1 10PPB

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 762
HISTO: 021380300745

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	* Liver
* Lung	* Lymph Node, Mesenteric	* Parathyroid Gland	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 2-2A]			
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 3-11]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Acinus	Degeneration	Marked
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Infiltration Cellular	Lymphocyte, Minimal
* Testes	Seminif Tub	Degeneration	Marked
[Degeneration TGLS = 1-15]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 746

TRT#: 13

SEX: Male

DAY ON TEST: 763

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300746

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Nose	* Parathyroid Gland	* Pituitary Gland	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	Urethra
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
Note: TGL 5 - NCL			
Note: TGL 6 - NCL			
Lymph Node	Lumbar	Hyperplasia	Lymphoid, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Mild
Note: TGL 2 - noted grossly as Lymph Node, inguinal is Urethra, bulbourethral gland			
[Hyperplasia TGLS = 3-15A]			
[Infiltration Cellular TGLS = 3-15A]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Mast Cell, Moderate
* Mammary Gland	Acinus	Degeneration	Minimal
* Pancreas	Acinar Cell	Degeneration	Moderate
* Preputial Gland		Inflammation	Suppurative, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-6A]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 746	TRT#: 13	SEX: Male	DAY ON TEST: 763
	DOSE: F1/10PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300746

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Degeneration TGLS = 4-15B]	Seminif Tub	Degeneration	Marked
* Thymus Urethra Note: TGL 2 - NCL		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 747

TRT#: 13

SEX: Male

DAY ON TEST: 762

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300747

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Nose	* Parathyroid Gland	* Prostate, Dorsal/lateral Lobe
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 4-4]			
* Kidney		Cyst	
		Nephropathy	Marked
* Liver		Eosinophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 10-10]			
[Infiltration Cellular TGLS = 10-10]			
Lymph Node	Lumbar	Degeneration	Cystic, Mild
	Renal	Degeneration	Cystic, Mild
	Inguinal	Hyperplasia	Lymphoid, Moderate
	Lumbar	Hyperplasia	Lymphoid, Moderate
	Renal	Hyperplasia	Lymphoid, Mild
	Inguinal	Infiltration Cellular	Plasma Cell, Marked
	Lumbar	Infiltration Cellular	Plasma Cell, Marked
	Renal	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 6-15B]			
[Degeneration TGLS = 5-15A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 747	TRT#: 13	SEX: Male	DAY ON TEST: 762
	DOSE: F1/10PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300747

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 9-15C]			
[Hyperplasia TGLS = 6-15B]			
[Hyperplasia TGLS = 5-15A]			
[Infiltration Cellular TGLS = 9-15C]			
[Infiltration Cellular TGLS = 5-15A]			
[Infiltration Cellular TGLS = 6-15B]			
* Lymph Node, Mandibular		Hyperplasia Infiltration Cellular	Lymphoid, Mild Plasma Cell, Marked
[Hyperplasia TGLS = 2-4]			
[Infiltration Cellular TGLS = 2-4]			
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Pancreas	Acinar Cell	Degeneration	Moderate
Note: TGL 4 - noted grossly as Pancreas is Islets Pancreas			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Skin	Epidermis	Hyperplasia	Mild
	Dermis	Inflammation	Chronic Active, Mild
		Inflammation	Chronic Active, Marked
[Hyperplasia TGLS = 1-6A]			
[Inflammation TGLS = 7-6B]			
[Inflammation TGLS = 1-6A]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Testes	Seminif Tub	Degeneration	Marked
[Degeneration TGLS = 3-15]			
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 748

TRT#: 13

SEX: Male

DAY ON TEST: 762

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300748

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 3-11]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 2-4]			
* Mammary Gland	Acinus	Degeneration	Minimal
* Pancreas	Acinar Cell	Degeneration	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-6A]			
* Spleen		Pigmentation	Mild
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 749 **TRT#:** 11 **SEX:** Male **DAY ON TEST:** 762
DOSE: F1 50PPB **DISP:** Terminal Sacrifice **HISTO:** 021380300749

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 2-2A]			
* Eye		Cataract	
		Inflammation	Chronic Active, Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 3-11]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
Note: TGL 7 - NCL			
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Moderate
		Metaplasia	Osseous, Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Mild
Note: TGL 5 - NCL (Lymph Node, mediastinal - missing)			
[Degeneration TGLS = 4-15]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
[Degeneration TGLS = 1-4]			
* Mammary Gland	Duct	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 749	TRT#: 11	SEX: Male	DAY ON TEST: 762
	DOSE: F1 50PPB	DISP: Terminal Sacrifice	HISTO: 021380300749

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Degeneration	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Preputial Gland	Duct	Dilatation	Mild
[Dilatation TGLS = 8-2B]		Inflammation	Suppurative, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 750

TRT#: 11

SEX: Male

DAY ON TEST: 762

DOSE: F1 50PPB

DISP: Terminal Sacrifice

HISTO: 021380300750

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	* Parathyroid Gland	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Hypocellularity	Mild
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 2-2A]			
* Heart		Schwannoma Benign	
* Kidney		Cyst	
		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lung		Infiltration Cellular	Lymphocyte, Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Minimal
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland	Acinus	Degeneration	Marked
* Nose		Inflammation	Suppurative, Minimal
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Marked
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 750

TRT#: 11

SEX: Male

DAY ON TEST: 762

DOSE: F1 50PPB

DISP: Terminal Sacrifice

HISTO: 021380300750

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Cyst

Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 751

TRT#: 14

SEX: Male

DAY ON TEST: 763

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300751

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Minimal
[Cyst TGLS = 4-11]			
* Liver		Vacuolization Cytoplasmic	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	
		Ectasia	Minimal
		Lactation	Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Suppurative, Marked
		Squamous Cell Carcinoma	
[Dilatation TGLS = 2-2B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 751

TRT#: 14

SEX: Male

DAY ON TEST: 763

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300751

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 2-2B]

[Squamous Cell Carcinoma TGLS = 3-2B]

* Prostate, Dorsal/Lateral Lobe

* Skin

Inflammation

Cyst Epithelial Inclusion

Inflammation

Suppurative, Moderate

Chronic Active, Marked

[Cyst Epithelial Inclusion TGLS = 1-6A]

[Inflammation TGLS = 1,5-6A+6B]

* Spleen

Hematopoietic Cell Proliferation

Pigmentation

Degeneration

Atrophy

Mild

Mild

Minimal

Marked

* Testes

Seminif Tub

* Thymus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 752

TRT#: 14

SEX: Male

DAY ON TEST: 762

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300752

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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	* Prostate, Ventral Lobe
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Minimal
	[Cyst TGLS = 4-11]		
* Liver		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Vacuolization Cytoplasmic	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 3-9]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Minimal
	[Hyperplasia TGLS = 1-4]		
	[Infiltration Cellular TGLS = 1-4]		
* Mammary Gland	Acinus	Degeneration	Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 2-1]		
* Preputial Gland		Inflammation	Suppurative, Moderate
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Rete Testes		Dilatation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 752	TRT#: 14	SEX: Male	DAY ON TEST: 762
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300752

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Mild
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 753

TRT#: 14

SEX: Male

DAY ON TEST: 762

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300753

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Pituitary Gland	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Minimal
[Cyst TGLS = 4-11]			
* Liver		Cyst	
[Cyst TGLS = 7-9]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Inguinal	Degeneration	Cystic, Marked
	Lumbar	Degeneration	Cystic, Marked
	Renal	Degeneration	Cystic, Marked
[Degeneration TGLS = 3-15]			
[Degeneration TGLS = 6-15B]			
[Degeneration TGLS = 5-15A]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 2-4]			
[Hyperplasia TGLS = 2-4]			
[Infiltration Cellular TGLS = 2-4]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 753	TRT#: 14	SEX: Male	DAY ON TEST: 762
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300753

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland	Acinus	Degeneration	Moderate
Note: TGL 6 - noted grossly as Mammary Gland is Lymph Node, inguinal			
* Pancreas	Acinar Cell	Degeneration	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Preputial Gland	Duct	Dilatation	Minimal
		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Chronic Active, Mild
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-6A]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 754

TRT#: 14

SEX: Male

DAY ON TEST: 762

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300754

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Minimal
* Harderian Gland	Acinus	Degeneration	Mild
		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Minimal
[Cyst TGLS = 1-11]			
* Liver		Infiltration Cellular	Lymphocyte, Minimal
Note: TGL 4 - NCL			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 6-10A]			
Lymph Node	Lumbar	Degeneration	Cystic, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 2-15]			
[Infiltration Cellular TGLS = 2-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Adenoma	
		Lactation	Minimal
* Pancreas	Acinar Cell	Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 754

TRT#: 14

SEX: Male

DAY ON TEST: 762

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300754

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Suppurative, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Moderate
* Skin [Inflammation TGLS = 3-6A]		Inflammation	Chronic Active, Marked
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 772

TRT#: 8

SEX: Male

DAY ON TEST: 763

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300772

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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	* Pituitary Gland
* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 4-11]			
* Liver		Eosinophilic Focus	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
[Hyperplasia TGLS = 2-4]			
[Infiltration Cellular TGLS = 2-4]			
* Mammary Gland	Acinus	Degeneration	Moderate
* Pancreas	Acinar Cell	Degeneration	Moderate
* Preputial Gland		Inflammation	Suppurative, Mild
[Inflammation TGLS = 3-2B]			
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-6A]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Testes	Seminif Tub	Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 772

TRT#: 8

SEX: Male

DAY ON TEST: 763

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300772

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 773	TRT#: 8	SEX: Male	DAY ON TEST: 763
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300773

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
* Liver		Vacuolization Cytoplasmic	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLS = 4-10]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Acinus	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLS = 2-2C]		
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe		Inflammation	Suppurative, Minimal
* Skin		Basal Cell Adenoma	
	[Basal Cell Adenoma TGLS = 1-6A]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Seminif Tub	Degeneration	Mild
	[Degeneration TGLS = 3-15]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 774

TRT#: 8

SEX: Male

DAY ON TEST: 763

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300774

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 3-11]			
* Liver			
Note: TGL 5 - NCL			
* Mammary Gland	Acinus	Degeneration	Moderate
Note: TGL 1 - noted grossly as Mammary Gland is Skin			
* Pancreas	Acinar Cell	Degeneration	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Suppurative, Moderate
[Dilatation TGLS = 2-2B]			
[Inflammation TGLS = 2-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Moderate
* Skin		Fibroma	
[Fibroma TGLS = 1-15]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Testes	Seminif Tub	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 774

TRT#: 8

SEX: Male

DAY ON TEST: 763

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300774

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:44
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 775

TRT#: 8

SEX: Male

DAY ON TEST: 763

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300775

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Mammary Gland	* Nose	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Complex TGLS = 1-1A]		Pheochromocytoma Complex	
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
		Infiltration Cellular	Plasma Cell, Minimal
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland Note: TGL 3 - noted grossly as Mammary Gland is Skin			
* Pancreas	Acinar Cell	Degeneration	Marked
* Parathyroid Gland		Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Skin [Inflammation TGLS = 2-6A] [Keratoacanthoma TGLS = 3-15]		Inflammation	Chronic Active, Marked
		Keratoacanthoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 775	TRT#: 8	SEX: Male	DAY ON TEST: 763
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300775

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Marked
	Epithel Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 776

TRT#: 8

SEX: Male

DAY ON TEST: 763

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300776

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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	* Parathyroid Gland
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Mild
Note: TGL 8 - NCL			
[Angiectasis TGLS = 6,7-9+9A]			
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Marked
	Mediastinal	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 2-15A]			
[Infiltration Cellular TGLS = 2-15A]			
[Infiltration Cellular TGLS = 4-15]			
* Lymph Node, Mesenteric		Degeneration	Cystic, Moderate
[Degeneration TGLS = 5-8]			
* Nose		Inflammation	Suppurative, Mild
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Chronic Active, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 776	TRT#: 8	SEX: Male	DAY ON TEST: 763
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300776

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Fibrosis	Moderate
		Inflammation	Chronic Active, Marked
	[Fibrosis TGLS = 1-6B]		
	[Inflammation TGLS = 3-6A]		
* Spleen		Hyperplasia	Lymphoid, Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 777

TRT#: 8

SEX: Male

DAY ON TEST: 763

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300777

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate, Ventral Lobe	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
	Bile Duct	Hyperplasia	Minimal
[Angiectasis TGLS = 1-9]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Rete Testes		Dilatation	Minimal
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 778

TRT#: 8

SEX: Male

DAY ON TEST: 762

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300778

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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	* Preputial Gland
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
Urethra	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
Note: TGL 2 - noted grossly as Kidney is Tissue NOS			
* Liver		Degeneration	Cystic, Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 1-4]			
[Hyperplasia TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland	Acinus	Degeneration	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 4-6A]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 778	TRT#: 8	SEX: Male	DAY ON TEST: 762
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300778

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous
	C Cell	Hyperplasia	Minimal
Tissue NOS		Degeneration	Cystic, Marked
		Infiltration Cellular	Plasma Cell, Marked

[Degeneration TGLS = 2-11A]

[Infiltration Cellular TGLS = 2-11A]

Urethra

Note: TGL 3 - NCL

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 3 - noted grossly as Lymph Node, lumbar is Urethra, bulbourethral gland

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 779

TRT#: 8

SEX: Male

DAY ON TEST: 762

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300779

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Pituitary Gland	* Preputial Gland	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 2-1]		Degeneration	Cystic, Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum [Adenocarcinoma TGLS = 4-7A]		Adenocarcinoma	
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Minimal
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular [Hyperplasia TGLS = 3-4]		Hyperplasia	Lymphoid, Mild
* Mammary Gland [Lipoma TGLS = 1-15]	Acinus	Degeneration	Minimal
		Lipoma	
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Adenoma	
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 779

TRT#: 8

SEX: Male

DAY ON TEST: 762

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300779

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Wet tissue attempted

* Thyroid Gland

C Cell

Adenoma

[Adenoma TGLS = 5-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 780

TRT#: 9

SEX: Male

DAY ON TEST: 763

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300780

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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	* Pituitary Gland
* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Minimal
[Cyst TGLS = 4-11]			
* Liver		Basophilic Focus	
Lymph Node	Lumbar	Degeneration	Cystic, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 5-15]			
[Infiltration Cellular TGLS = 5-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 3-15A]			
* Pancreas	Acinar Cell	Degeneration	Mild
* Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Suppurative, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 780	TRT#: 9	SEX: Male	DAY ON TEST: 763
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300780

ORGAN AND ACCOUNTABLE SITE STATUS

[Dilatation TGLS = 2-2B]		
[Inflammation TGLS = 2-2B]		
* Skin	Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-6A]		
* Spleen	Hematopoietic Cell Proliferation	Moderate
* Thymus		
Note: Wet tissue attempted		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:45

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 781

TRT#: 9

SEX: Male

DAY ON TEST: 762

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300781

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------------|---------------------------|-----------------------------|--------------------------|
| * Blood Vessel | * Bone Marrow | * Bone, Femur | * Brain, Brain Stem |
| * Brain, Cerebellum | * Brain, Cerebrum | * Coagulating Gland | * Epididymis |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric | * Parathyroid Gland |
| * Prostate, Dorsal/lateral Lobe | * Prostate, Ventral Lobe | * Rete Testes | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thyroid Gland | * Trachea | Urethra |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------------------------------|----------------|---------------------------|----------------------|
| * Adrenal Cortex | | Angiectasis | Mild |
| [Angiectasis TGLS = 3-1] | | | |
| * Adrenal Medulla | | Angiectasis | Marked |
| [Angiectasis TGLS = 3-1] | | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Degeneration | Cystic, Minimal |
| | | Eosinophilic Focus | |
| [Eosinophilic Focus TGLS = 8-9A] | | Vacuolization Cytoplasmic | Mild |
| [Vacuolization Cytoplasmic TGLS = 8-9A] | | | |
| * Lung | Alveolar Epith | Hyperplasia | Marked |
| | | Infiltration Cellular | Histiocyte, Moderate |
| [Hyperplasia TGLS = 7-10] | | | |
| [Infiltration Cellular TGLS = 7-10] | | | |
| * Lymph Node, Mandibular | | Degeneration | Cystic, Mild |
| | | Infiltration Cellular | Plasma Cell, Mild |
| [Degeneration TGLS = 6-4] | | | |
| [Infiltration Cellular TGLS = 6-4] | | | |
| * Mammary Gland | Acinus | Degeneration | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 781	TRT#: 9	SEX: Male	DAY ON TEST: 762
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300781

ORGAN AND ACCOUNTABLE SITE STATUS

		Fibroadenoma	
[Fibroadenoma TGLS = 1-15]			
* Nose		Inflammation	Suppurative, Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Preputial Gland	Duct	Dilatation	Moderate
		Inflammation	Suppurative, Moderate
[Dilatation TGLS = 2-2B]			
[Inflammation TGLS = 2-2B]			
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked
Urethra			
Note: TGL 4 - NCL			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL 4 - noted grossly as Lymph Node, inguinal is Urethra, bulbourethral gland

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 782

TRT#: 9

SEX: Male

DAY ON TEST: 762

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300782

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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, Mesenteric	* Nose	* Parathyroid Gland
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Moderate
* Coagulat GI			
Note: TGL 1 - NCL			
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Mild
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Mild
* Mammary Gland	Acinus	Degeneration	Marked
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 783

TRT#: 9

SEX: Male

DAY ON TEST: 762

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300783

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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, Mesenteric	* Nose
* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Hyperplasia	Lymphoid, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Mild
	Mediastinal	Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 3-15]			
[Hyperplasia TGLS = 4-15A]			
[Infiltration Cellular TGLS = 5-15B]			
[Infiltration Cellular TGLS = 4-15A]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 2-4]			
* Mammary Gland	Acinus	Degeneration	Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Preputial Gland	Duct	Dilatation	Minimal
		Inflammation	Suppurative, Moderate
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Skin		Basal Cell Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 783	TRT#: 9	SEX: Male	DAY ON TEST: 762
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300783

ORGAN AND ACCOUNTABLE SITE STATUS

[Basal Cell Adenoma TGLS = 1-6A]		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 7-6B]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Testes	Seminif Tub	Degeneration	Mild
* Thymus		Atrophy	Marked
	Epithel Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 784

TRT#: 9

SEX: Male

DAY ON TEST: 762

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300784

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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, Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 1-4]			
[Hyperplasia TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland	Acinus	Degeneration	Marked
* Pancreas	Acinar Cell	Degeneration	Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Hyperplasia	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 785

TRT#: 9

SEX: Male

DAY ON TEST: 763

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300785

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, Mesenteric	* Nose	* Parathyroid Gland	* Pituitary Gland
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Vacuolization Cytoplasmic	Mild
[Hyperplasia TGLS = 2-1]			
* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 3-2A]			
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 4-4]			
* Mammary Gland	Acinus	Degeneration	Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Mild
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-6A]			
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 786

TRT#: 9

SEX: Male

DAY ON TEST: 761

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300786

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Complex Pheochromocytoma Malignant	
[Pheochromocytoma Complex TGLS = 3-1]			
[Pheochromocytoma Malignant TGLS = 2-1]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Marked
[Degeneration TGLS = 4-15]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 1-4]			
[Hyperplasia TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Pancreas	Acinar Cell	Degeneration	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:45

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 786

TRT#: 9

SEX: Male

DAY ON TEST: 761

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300786

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 787

TRT#: 12

SEX: Male

DAY ON TEST: 763

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300787

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	* Lung	Lymph Node
* Nose	* Parathyroid Gland	* Prostate, Dorsal/lateral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign Developmental Malformation	Mild
* Coagulating Gland [Developmental Malformation TGLS = 6-2A]			
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst Nephropathy	Minimal
* Liver Lymph Node Note: TGL 4 - NCL (axillary, enlarged)		Eosinophilic Focus	
* Lymph Node, Mandibular [Hyperplasia TGLS = 3-4]		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland	Acinus	Degeneration	Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe		Hyperplasia	Moderate
* Skin	Dermis	Inflammation Inflammation	Chronic Active, Mild Chronic Active, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 787	TRT#: 12	SEX: Male	DAY ON TEST: 763
	DOSE: F1/2PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300787

ORGAN AND ACCOUNTABLE SITE STATUS

	Dermis	Necrosis	Moderate
[Inflammation TGLS = 1-6B]			
[Inflammation TGLS = 2-6A]			
[Necrosis TGLS = 1-6B]			
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked
	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 788

TRT#: 12

SEX: Male

DAY ON TEST: 762

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300788

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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	* Preputial Gland
* Prostate, Ventral Lobe	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
* Lym Node Mand			
Note: TGL 2 - NCL			
* Mammary Gland	Acinus	Degeneration	Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Rete Testes		Dilatation	Minimal
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-6A]			
* Thymus			
Note: Recut attempted			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 788

TRT#: 12

SEX: Male

DAY ON TEST: 762

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300788

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 789

TRT#: 12
DOSE: F1/2PPB TO CTL

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 762
HISTO: 021380300789

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
* Liver	* Lung	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

OBSERVATIONS

* Coagulating Gland		Developmental Malformation	
[Developmental Malformation TGLS = 1-2A]			
* Kidney		Nephropathy	Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Axillary	Hyperplasia	Lymphoid, Mild
	Axillary	Infiltration Cellular	Plasma Cell, Marked
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 3-15]			
[Hyperplasia TGLS = 5-15A]			
[Infiltration Cellular TGLS = 3-15]			
[Infiltration Cellular TGLS = 5-15A]			
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 4-4]			
[Hyperplasia TGLS = 4-4]			
[Infiltration Cellular TGLS = 4-4]			
* Mammary Gland	Acinus	Degeneration	Marked
* Pancreas	Acinar Cell	Degeneration	Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 789	TRT#: 12	SEX: Male	DAY ON TEST: 762
	DOSE: F1/2PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300789

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Inflammation TGLS = 6-6A]		Inflammation	Chronic Active, Marked
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Urinary Bladder [Dilatation TGLS = 2-11]		Dilatation	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 790

TRT#: 12

SEX: Male

DAY ON TEST: 762

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300790

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* 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	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
* Liver	Biliar Tract	Fibrosis	Minimal
Lymph Node	Inguinal	Hyperplasia	Lymphoid, Mild
	Inguinal	Infiltration Cellular	Plasma Cell, Marked
			[Hyperplasia TGLS = 2-15]
			[Infiltration Cellular TGLS = 2-15]
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Acinus	Degeneration	Marked
Note: TGL 2 - noted grossly as Mammary Gland is Lymph Node, inguinal			
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Skin		Inflammation	Chronic Active, Marked
			[Inflammation TGLS = 1-6A]
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 790

TRT#: 12

SEX: Male

DAY ON TEST: 762

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300790

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 791	TRT#: 12	SEX: Male	DAY ON TEST: 762
	DOSE: F1/2PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300791

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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	* Lymph Node, Mesenteric	* Parathyroid Gland	* Pituitary Gland
* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 3-11]			
* Liver	Biliar Tract	Fibrosis	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 4-10]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Hyperplasia TGLS = 2-4]			
[Infiltration Cellular TGLS = 2-4]			
* Mammary Gland	Acinus	Degeneration	Minimal
* Nose		Inflammation	Suppurative, Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Preputial Gland		Inflammation	Suppurative, Moderate
[Inflammation TGLS = 1-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLS = 5-7]			
* Testes	Seminif Tub	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 791

TRT#: 12

SEX: Male

DAY ON TEST: 762

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300791

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

* Thyroid Gland

Cyst

Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 792

TRT#: 12

SEX: Male

DAY ON TEST: 762

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300792

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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
* Parathyroid Gland	* Prostate, Dorsal/lateral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 4-11]			
* Liver		Eosinophilic Focus	
	Biliar Tract	Fibrosis	Minimal
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Mild
* Mammary Gland	Acinus	Degeneration	Minimal
* Nose		Inflammation	Suppurative, Minimal
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Suppurative, Moderate
[Dilatation TGLS = 1-2B]			
[Inflammation TGLS = 1-2B]			
* Prostate, Ventral Lobe		Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 792

TRT#: 12

SEX: Male

DAY ON TEST: 762

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300792

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Inflammation TGLS = 3-6A]	Inflammation	Chronic Active, Marked
* Spleen [Hyperplasia TGLS = 2-9]	Hyperplasia	Lymphoid, Mild
* Thymus	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 793

TRT#: 12

SEX: Male

DAY ON TEST: 761

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300793

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate, Ventral Lobe	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Rete Testes

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 3-11]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 7-10]			
Lymph Node	Lumbar	Degeneration	Cystic, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 4-15]			
[Infiltration Cellular TGLS = 4-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Hyperplasia TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland	Duct	Dilatation	Moderate
		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 793

TRT#: 12

SEX: Male

DAY ON TEST: 761

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300793

ORGAN AND ACCOUNTABLE SITE STATUS

[Dilatation TGLS = 2-2B]

[Inflammation TGLS = 2-2B]

* Prostate, Dorsal/Lateral Lobe

Inflammation

Suppurative, Minimal

* Rete Testes

Note: No recut or wet tissue per pathologist

* Skin

Inflammation

Chronic Active, Marked

[Inflammation TGLS = 5-6A]

* Testes

Seminif Tub

Degeneration

Mild

* Thymus

Atrophy

Marked

* Thyroid Gland

C Cell

Adenoma

C Cell

Carcinoma

[Carcinoma TGLS = 6-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 794

TRT#: 10

SEX: Male

DAY ON TEST: 763

DOSE: F1 10PPB

DISP: Terminal Sacrifice

HISTO: 021380300794

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Nose	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Int Lg Cecum			
Note: TGL 3 - NCL			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Vacuolization Cytoplasmic	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Lumbar	Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 2-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Hyperplasia TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland	Acinus	Degeneration	Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 794	TRT#: 10	SEX: Male	DAY ON TEST: 763
	DOSE: F1 10PPB	DISP: Terminal Sacrifice	HISTO: 021380300794

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Pigmentation	Mild
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 796

TRT#: 10
DOSE: F1 10PPB

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 763
HISTO: 021380300796

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Marked
		Infiltration Cellular	Histiocyte, Moderate
Lymph Node	Axillary	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 3-15]			
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 2-4]			
[Hyperplasia TGLS = 2-4]			
[Infiltration Cellular TGLS = 2-4]			
* Mammary Gland	Acinus	Degeneration	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 5-1]			
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
[Infiltration Cellular TGLS = 4-2B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 796	TRT#: 10	SEX: Male	DAY ON TEST: 763
	DOSE: F1 10PPB	DISP: Terminal Sacrifice	HISTO: 021380300796

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate, Dorsal/Lateral Lobe	Inflammation	Suppurative, Mild
* Skin [Inflammation TGLS = 1-6A]	Inflammation	Chronic Active, Marked
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 797

TRT#: 13

SEX: Male

DAY ON TEST: 763

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300797

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* 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	* Rete Testes	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
		Hematopoietic Cell Proliferation	Minimal
* Pancreas	Acinar Cell	Degeneration	Minimal
* Parathyroid Gland			
Note: Recut attempted			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Prostate, Ventral Lobe		Infiltration Cellular	Lymphocyte, Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 798

TRT#: 13

SEX: Male

DAY ON TEST: 763

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300798

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland
* 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	* Prostate, Dorsal/lateral Lobe	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	Urethra
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Osseous, Minimal
Note: TGL 3 - NCL			
Lymph Node	Lumbar	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Marked
Note: TGL 2 - noted grossly as Lymph Node, inguinal is Urethra, bulbourethral gland			
[Hyperplasia TGLS = 1-15]			
[Infiltration Cellular TGLS = 1-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Marked
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland	Duct	Dilatation	Minimal
		Inflammation	Suppurative, Moderate
* Skin		Inflammation	Chronic Active, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 798

TRT#: 13

SEX: Male

DAY ON TEST: 763

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300798

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 4-6A]

* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Squamous
Urethra			
Note: TGL 2 - NCL			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 799

TRT#: 13

SEX: Male

DAY ON TEST: 763

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300799

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* 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, Mesenteric	* Nose	* Pituitary Gland	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Acinus	Degeneration	Mild
* Pancreas	Acinar Cell	Degeneration	Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Suppurative, Mild
[Dilatation TGLS = 1-2B]			
[Inflammation TGLS = 1-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal
* Prostate, Ventral Lobe		Inflammation	Chronic Active, Minimal
* Testes	Seminif Tub	Degeneration	Marked
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 800

TRT#: 11

SEX: Male

DAY ON TEST: 763

DOSE: F1 50PPB

DISP: Terminal Sacrifice

HISTO: 021380300800

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Prostate, Ventral Lobe
* Rete Testes	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

OBSERVATIONS

* Eye	Bilateral, Retina	Degeneration	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Nose			
		Note: Squamous cell carcinoma observed in the nasal turbinates is recorded as Squamous cell carcinoma, Oral Mucosa.	
		Oral Mucosa	Squamous Cell Carcinoma
		Note: Located on slide 14 with the routine section of nasal turbinates.	
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Suppurative, Moderate
* Prostate, Dorsal/Lateral Lobe		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Carcinoma	
	[Carcinoma TGLS = 1-2A]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked
	Epithel Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 800	TRT#: 11	SEX: Male	DAY ON TEST: 763
	DOSE: F1 50PPB	DISP: Terminal Sacrifice	HISTO: 021380300800

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 801 **TRT#:** 11 **SEX:** Male **DAY ON TEST:** 756
DOSE: F1 50PPB **DISP:** Terminal Sacrifice **HISTO:** 021380300801

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Coagulating Gland	* 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	* Prostate, Ventral Lobe	* Rete Testes
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain, Cerebrum		Infiltration Cellular	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
Lymph Node	Renal	Degeneration	Cystic, Marked
[Degeneration TGLS = 4-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Plasma Cell, Marked
[Hyperplasia TGLS = 3-4]			
[Infiltration Cellular TGLS = 3-4]			
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland	Duct	Dilatation	Moderate
		Inflammation	Suppurative, Moderate
[Dilatation TGLS = 2-2B]			
[Inflammation TGLS = 2-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 801	TRT#: 11	SEX: Male	DAY ON TEST: 756
	DOSE: F1 50PPB	DISP: Terminal Sacrifice	HISTO: 021380300801

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Inflammation Keratoacanthoma	Chronic Active, Marked
	[Inflammation TGLS = 5-6B] [Keratoacanthoma TGLS = 1-6A]		
* Testes	Seminif Tub	Degeneration	Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 802

TRT#: 14

SEX: Male

DAY ON TEST: 756

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* Brain, Brain Stem
* Brain, Cerebellum	* Brain, Cerebrum	* Coagulating Gland	* 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	* Nose
* Parathyroid Gland	* Prostate, Ventral Lobe	* Rete Testes	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
Note: TGL 3 - NCL			
* Adrenal Medulla		Hyperplasia	Minimal
Note: TGL 3 - NCL			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
Lymph Node	Lumbar	Degeneration	Cystic, Mild
[Degeneration TGLS = 4-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Hyperplasia TGLS = 2-4]			
[Infiltration Cellular TGLS = 2-4]			
* Lymph Node, Mesenteric		Degeneration	Cystic, Moderate
		Hyperplasia	Lymphoid, Mild
[Degeneration TGLS = 6-8]			
[Hyperplasia TGLS = 6-8]			
* Mammary Gland	Acinus	Degeneration	Mild
* Nose			
Note: Squamous cell carcinoma observed in the nasal turbinates is recorded as Squamous cell carcinoma, Oral Mucosa.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 802	TRT#: 14	SEX: Male	DAY ON TEST: 756
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300802

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa		Squamous Cell Carcinoma	
Note: Located on slide 14 with the routine section of nasal turbinates.			
* Pancreas	Acinar Cell	Degeneration	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Preputial Gland		Abscess	Marked
[Abscess TGLS = 1-2B]			
* Prostate, Dorsal/Lateral Lobe		Inflammation	Suppurative, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Marked
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 2	TRT#: 2	SEX: Female	DAY ON TEST: 87
	DOSE: F1 2PPB	DISP: Moribund Sacrifice	HISTO: 021380300002

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Eye
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Oviduct	* Parathyroid Gland	* Pituitary Gland
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Clitoral Gland		Inflammation	Marked
* Esophagus		Inflammation	Mild
* Harderian Gland		Inflammation	Moderate
* Heart	Myocardium	Necrosis	Mild
* Intestine Large, Cecum		Inflammation	Chronic, Mild
* Intestine Large, Colon	Lymphoid Tiss	Inflammation	Moderate
* Intestine Large, Rectum		Inflammation	Chronic, Minimal
* Kidney		Inflammation	Moderate
* Liver	Bile Duct Periportal	Hyperplasia Inflammation	Moderate Chronic, Moderate
[Inflammation TGLS = 3-9]			
* Lung	Peribronchial	Inflammation	Chronic, Moderate
[Inflammation TGLS = 5-10]			
Lymph Node	Lumbar	Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 4-15]			
* Lymph Node, Mandibular		Hyperplasia Infiltration Cellular	Lymphoid, Moderate Plasma Cell, Moderate
[Infiltration Cellular TGLS = 1-4]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Marked
* Nose		Inflammation	Moderate
* Ovary		Atrophy	Moderate
* Pancreas		Inflammation	Chronic, Mild
* Salivary Glands		Inflammation	Chronic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 2	TRT#: 2	SEX: Female	DAY ON TEST: 87
	DOSE: F1 2PPB	DISP: Moribund Sacrifice	HISTO: 021380300002

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	Inflammation	Mild
* Spleen [Hematopoietic Cell Proliferation TGLS = 2-9]	Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Inflammation	Mild
* Stomach, Glandular	Infiltration Cellular	Lymphocyte, Mild
* Thymus	Inflammation	Chronic, Moderate
* Uterus	Hypoplasia	Moderate
* Vagina	Inflammation	Mild

PRIMARY CAUSE OF DEATH - Clitoral Gland Inflammation

Animal Note: Abscess noted in the buccal mucosa in the third nasal cross section. Probable cause of death is systemic bacterial infection originating in the Clitoral gland.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 3	TRT#: 5 DOSE: F1/2PPB TO CTL	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 87 HISTO: 021380300003
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Oviduct	* Parathyroid Gland	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder	* Vagina	

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Clitoral Gland		Atrophy	Moderate
* Harderian Gland		Inflammation	Mild
* Intestine Large, Cecum		Inflammation	Chronic, Mild
* Kidney		Inflammation	Moderate
* Liver	Periportal	Inflammation	Chronic, Moderate
[Inflammation TGLS = 4-9]			
* Lung	Peribronchial	Inflammation	Chronic, Moderate
Lymph Node	Lumbar	Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 2-15]	Renal	Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 3-15A]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 1-4]		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 5-8]			
* Nose		Inflammation	Moderate
* Ovary		Atrophy	Moderate
* Pancreas		Inflammation	Chronic, Marked
* Salivary Glands		Inflammation	Chronic, Moderate
* Stomach, Glandular		Infiltration Cellular	Lymphocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 3	TRT#: 5	SEX: Female	DAY ON TEST: 87
	DOSE: F1/2PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300003

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Inflammation	Chronic, Mild
* Uterus	Hypoplasia	Moderate

PRIMARY CAUSE OF DEATH - Lung Peribronchial Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 15

TRT#: 6

SEX: Female

DAY ON TEST: 254

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300015

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	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Oviduct	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Vagina			

OBSERVATIONS

* Eye			
Note: TGL 6 - NCL			
* Kidney		Nephroblastoma	
[Nephroblastoma TGLS = 3-11]			
* Lung		Nephroblastoma	Metastatic (Kidney)
[Nephroblastoma TGLS = 4,5-10+10A]			
* Ovary		Hyperplasia	Sertoliform, Mild
* Pancreas	Artery	Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 2-9]			
* Uterus		Atrophy	Mild
[Atrophy TGLS = 1-2]			

PRIMARY CAUSE OF DEATH

- Kidney Nephroblastoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 17

TRT#: 3

SEX: Female

DAY ON TEST: 275

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Ovary
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus	* Vagina	

MISSING

* Lymph Node, Mesenteric * Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Esophagus		Inflammation	Marked
Note: Esophagus section is on slide 10			
* Intestine Small, Duodenum		Dilatation	Moderate
[Dilatation TGLS = 2-7]			
* Lym Node Mesen			
Note: Tissue on slide 8A is Pancreas			
Note: Recut / Wet tissue attempted			
* Pancreas			
Note: Tissue also located on slide 8A			
* Pituitary Gland	Pars Distalis	Cyst	
* Spleen		Pigmentation	Moderate
* Stom Gland			
Note: TGL 1 - NCL			
* Stomach, Forestomach		Inflammation	Mild
Note: TGL 1 - NCL			
* Thymus			
Note: No recut or wet tissue attempt per pathologist (thymic area present)			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 17	TRT#: 3	SEX: Female	DAY ON TEST: 275
	DOSE: F1 10 PPB	DISP: Moribund Sacrifice	HISTO: 021380300017

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Esophagus Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 18

TRT#: 4

SEX: Female

DAY ON TEST: 289

DOSE: F1 50 PPB

DISP: Natural Death

HISTO: 021380300018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Oviduct	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus	* Vagina		

OBSERVATIONS

* Brain, Brain Stem [Compression TGLS = 3-3]		Compression	Moderate
* Clitoral Gland [Inflammation TGLS = 1-2A]		Inflammation	Mild
* Intestine Small, Duodenum		Autolysis	Moderate
* Intestine Small, Ileum		Autolysis	Moderate
* Intestine Small, Jejunum		Autolysis	Moderate
* Nose		Schwannoma Malignant	
* Pituitary Gland [Schwannoma Malignant TGLS = 2-1]	Pars Nervosa	Schwannoma Malignant	Metastatic (Nose)
* Spleen		Pigmentation	Moderate
* Thymus		Cyst	

PRIMARY CAUSE OF DEATH - Nose Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 23	TRT#: 2	SEX: Female	DAY ON TEST: 349
	DOSE: F1 2PPB	DISP: Moribund Sacrifice	HISTO: 021380300023

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	* 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	* Nose
* Ovary	* Oviduct	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus	* Vagina		

MISSING

* Clitoral Gland	* Mammary Gland
------------------	-----------------

OBSERVATIONS

* Clitoral GI Note: Wet tissue attempted		
* Kidney	Mineralization	Mild
* Lung Note: TGL 2 - NCL		
* Mammary GI Note: TGL 1 - noted grossly as Mammary Gland is Skin Note: Recut attempted		
* Skin [Sarcoma TGLS = 1-6A]	Sarcoma	
* Spleen	Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH - Skin Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 34

TRT#: 3

SEX: Female

DAY ON TEST: 391

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Oviduct	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Blood Vessel		Mineralization	Moderate
* Bone, Femur		Fibrous Osteodystrophy	Moderate
* Clitoral Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
	Artery	Mineralization	Mild
* Intestine Large, Colon	Muscularis	Inflammation	Chronic, Mild
		Mineralization	Mild
* Kidney		Nephropathy	Marked
		Polycystic Kidney	Marked
[Polycystic Kidney TGLS = 1-11+11A]			
* Liver		Hematopoietic Cell Proliferation	Mild
* Lung		Inflammation	Minimal
* Nose		Fibrous Osteodystrophy	Moderate
* Pancreas	Artery	Mineralization	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Salivary Glands	Artery	Mineralization	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular		Mineralization	Moderate
* Thyroid Gland		Ultimobranchial Cyst	Moderate
* Uterus		Atrophy	Mild
* Vagina		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:45

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 34

TRT#: 3

SEX: Female

DAY ON TEST: 391

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300034

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Kidney Polycystic Kidney

Animal Note: Mineralization is present in walls of mesenteric arteries on slide # 8

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 35

TRT#: 7

SEX: Female

DAY ON TEST: 404

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300035

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	* 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	* Ovary
* Oviduct	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Vagina

OBSERVATIONS

* Kidney		Infiltration Cellular Mineralization	Lymphocyte, Mild Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
* Lymph Node, Mandibular		Degeneration Infiltration Cellular	Cystic, Mild Plasma Cell, Mild
[Infiltration Cellular TGLS = 2-4]			
* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Skin		Fibrous Histiocytoma Inflammation	Moderate
[Fibrous Histiocytoma TGLS = 3-6B]			
[Inflammation TGLS = 1-6A]			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

- Skin Fibrous Histiocytoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 36

TRT#: 5

SEX: Female

DAY ON TEST: 406

DOSE: F1/2PPB TO CTL

DISP: Natural Death

HISTO: 021380300036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Harderian Gland
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Oviduct	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Clitoral Gland		Inflammation	Mild
[Inflammation TGLS = 1-2A]			
* Esophagus		Necrosis	Marked
Note: Lesion is on slide 10 with Lung			
* Eye	Bilateral	Cataract	
* Intestine Large, Cecum		Erosion	Moderate
* Kidney		Mineralization	Mild
* Liver		Necrosis	Moderate
* Lung		Autolysis	Mild
* Mammary Gland	Alveolus	Hyperplasia	Minimal
Mesentery		Cyst	
	Fat	Necrosis	Moderate
Note: A cyst with squamous metaplasia and keratinization was noted within area of fat necrosis.			
[Necrosis TGLS = 2-2B]			
* Ovary		Hyperplasia	Sertoliform, Minimal
Note: TGL 2 - noted grossly as Ovary is Mesentery			
* Skin		Inflammation	Marked
[Inflammation TGLS = 3-6A]			
* Vagina	Mucocyte	Hyperplasia	Moderate
Note: Vagina is on slide 2			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 36

TRT#: 5

SEX: Female

DAY ON TEST: 406

DOSE: F1/2PPB TO CTL

DISP: Natural Death

HISTO: 021380300036

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 45

TRT#: 5

SEX: Female

DAY ON TEST: 452

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300045

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
* Oviduct	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Vagina	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Clitoral Gland		Inflammation	Mild
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-6A]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Parathyroid Gl			
Note: Recut attempted			
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin			
Note: TGL 1 - noted grossly as Skin is Mammary Gland			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 2-2]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 45

TRT#: 5

SEX: Female

DAY ON TEST: 452

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300045

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 51

TRT#: 2

SEX: Female

DAY ON TEST: 468

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300051

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	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Oviduct	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Salivary Glands * Thymus

OBSERVATIONS

* Adrenal Cortex	Degeneration	Cystic, Moderate
	Hyperplasia	Minimal
* Kidney	Cyst	
	Mineralization	Mild
[Cyst TGLS = 2-11]		
* Mammary Gland	Adenocarcinoma	
[Adenocarcinoma TGLS = 1-6A]		
* Ovary	Atrophy	Moderate
* Saliv Glands		
Note: No recut attempt per pathologist		
* Skin		
Note: TGL 1 - noted grossly as Skin is Mammary Gland		
* Spleen	Hematopoietic Cell Proliferation	Mild
* Thymus		
Note: Wet tissue attempted		
* Uterus	Hyperplasia	Atypical, Focal, Mild
* Vagina	Mucocyte Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Adenocarcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 51

TRT#: 2

SEX: Female

DAY ON TEST: 468

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300051

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 53

TRT#: 6

SEX: Female

DAY ON TEST: 477

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300053

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	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Nose
* Ovary	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus	* Vagina		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hematopoietic Cell Proliferation	Minimal
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Mammary Gland		Adenocarcinoma	
[Adenocarcinoma TGLS = 1-6A]			
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Cyst	
[Angiectasis TGLS = 2-1]			
* Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Adenocarcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 58	TRT#: 6	SEX: Female	DAY ON TEST: 491
	DOSE: F1/10PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300058

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	* 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	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Adrenal Medulla

OBSERVATIONS

* Adren Medulla			
Note: No recut attempt per pathologist (tissue cut away)			
* Adrenal Cortex		Angiectasis	Mild
* Brain Stem			
Note: TGL 6 - NCL			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Liver		Angiectasis	Mild
[Angiectasis TGLS = 1,2-9]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 4-4]			
* Ovary		Atrophy	Moderate
* Pituitary Gland		Angiectasis	Mild
[Angiectasis TGLS = 5-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 3-6A]			
* Uterus		Hyperplasia	Atypical, Focal, Minimal
* Vagina	Mucocyte	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 58

TRT#: 6

SEX: Female

DAY ON TEST: 491

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300058

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Skin Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 60

TRT#: 7

SEX: Female

DAY ON TEST: 495

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300060

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	* Kidney
* Liver	* Lung	* Nose	* Oviduct
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Vagina			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Esophagus			
Note: TGL 1 - NCL			
* Eye			
Note: Eyes are on slide 10			
* Harderian GI			
Note: Harderian glands are on slide 10			
* Lung			
Note: Lung is on slide 12			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Degeneration	Cystic, Moderate
* Mammary Gland		Adenocarcinoma	
	Alveolus	Hyperplasia	Mild
[Adenocarcinoma TGLS = 2-6A]			
* Ovary		Atrophy	Mild
		Cyst	
		Hyperplasia	Sertoliform, Minimal
* Skin			
Note: TGL 2 - noted grossly as Skin is Mammary Gland			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 60	TRT#: 7	SEX: Female	DAY ON TEST: 495
	DOSE: F1/50PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300060

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland Adenocarcinoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 61

TRT#: 2

SEX: Female

DAY ON TEST: 499

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300061

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
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Oviduct	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 2-1]		Degeneration	Cystic, Marked
* Clitoral Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Inflammation	Minimal
* Kidney [Nephropathy TGLS = 1-11]		Nephropathy	Marked
* Mammary Gland	Alveolus	Hyperplasia	Moderate
		Lactation	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Moderate
* Pancreas		Lipomatosis	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland [Adenoma TGLS = 4-1]	Pars Distalis	Adenoma	
* Salivary Glands		Inflammation	Chronic, Moderate
* Skin [Inflammation TGLS = 3-6A]		Inflammation	Marked
* Spleen	Lymphocyte	Atrophy	Mild
* Thymus			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 61	TRT#: 2	SEX: Female	DAY ON TEST: 499
	DOSE: F1 2PPB	DISP: Moribund Sacrifice	HISTO: 021380300061

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Wet tissue attempted			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Vagina	Mucocyte	Hyperplasia	Mild
		Inflammation	Minimal

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 64

TRT#: 2

SEX: Female

DAY ON TEST: 504

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300064

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	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Oviduct	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
		Compression	Moderate
* Brain, Brain Stem			
[Compression TGLS = 7-3A]			
* Clitoral Gland		Atrophy	Mild
Note: TGL 1 - noted grossly as Clitoral Gland is Mammary Gland			
* Harderian GI			
Note: TGL 5 - NCL			
* Kidney	Bilateral, Renal Tubule	Carcinoma	
[Carcinoma TGLS = 3,4-11+11A]			
* Mammary Gland	Alveolus	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-2A]			
* Ovary		Atrophy	Mild
		Hyperplasia	Sertoliform, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Spleen		Hyperplasia	Stromal, Marked
[Hyperplasia TGLS = 2-9]			
* Stomach, Forestomach		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 64	TRT#: 2	SEX: Female	DAY ON TEST: 504
	DOSE: F1 2PPB	DISP: Moribund Sacrifice	HISTO: 021380300064

ORGAN AND ACCOUNTABLE SITE STATUS

* Vagina	Inflammation	Mild
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma	
CONTRIBUTORY CAUSE OF DEATH	- Kidney Bilateral Renal Tubule Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 65

TRT#: 5

SEX: Female

DAY ON TEST: 503

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300065

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
* Lung	* Lymph Node, Mesenteric	* Nose	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Vagina

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy	Cystic, Mild Mild
[Degeneration TGLS = 1-1]			
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 4-3]			
* Clitoral Gland	Duct	Dilatation Inflammation	Moderate Mild
[Dilatation TGLS = 5-2A]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Degeneration	Cystic, Minimal
* Mammary Gland	Alveolus	Hyperplasia Lactation	Mild Mild
* Ovary		Atrophy	Moderate
		Hyperplasia	Sertoliform, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Skin		Inflammation	Minimal
[Inflammation TGLS = 2-6A]			
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 65

TRT#: 5

SEX: Female

DAY ON TEST: 503

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300065

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Cyst

* Uterus

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 66

TRT#: 5

SEX: Female

DAY ON TEST: 509

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300066

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	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Oviduct	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Clitoral Gland [Dilatation TGLS = 1-2A]	Duct	Dilatation	Moderate
* Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Mammary Gland [Fibroadenoma TGLS = 2-6A]		Fibroadenoma	
* Pancreas	Acinar Cell	Degeneration	Minimal
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
* Vagina		Inflammation	Mild

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 67

TRT#: 6

SEX: Female

DAY ON TEST: 510

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300067

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	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Oviduct
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus	* Vagina	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Inflammation	Mild
* Kidney		Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-6A]			
* Ovary		Atrophy	Mild
		Cyst	
		Hyperplasia	Sertoliform, Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland			
Note: Recut attempted			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Uterus			
Note: TGL 2 - NCL			

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 71

TRT#: 7

SEX: Female

DAY ON TEST: 511

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300071

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	* 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	* Oviduct
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Inflammation	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Lung			
Note: TGL 2 - NCL			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-6A]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Hyperplasia	Sertoliform, Mild
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 72

TRT#: 4

SEX: Female

DAY ON TEST: 516

DOSE: F1 50 PPB

DISP: Natural Death

HISTO: 021380300072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* 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	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Eye

OBSERVATIONS

* Brain, Brain Stem [Compression TGLS = 5-3]		Compression	Moderate
* Lym Node Mand Note: TGL 2 - NCL			
* Mammary Gland [Galactocele TGLS = 1-6A]	Alveolus	Galactocele Hyperplasia Lactation	Mild Moderate
* Ovary		Atrophy Hyperplasia	Moderate Sertoliform, Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland [Adenoma TGLS = 4-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Marked
* Uterus [Hyperplasia TGLS = 3-2]	Endometrium	Hyperplasia	Cystic, Mild
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 72

TRT#: 4

SEX: Female

DAY ON TEST: 516

DOSE: F1 50 PPB

DISP: Natural Death

HISTO: 021380300072

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 73

TRT#: 5

SEX: Female

DAY ON TEST: 515

DOSE: F1/2PPB TO CTL

DISP: Natural Death

HISTO: 021380300073

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	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Oviduct	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Clitoral Gland		Inflammation	Mild
* Eye	Retina	Autolysis	Marked
* Kidney		Mineralization	Mild
* Mammary Gland		Lactation	Mild
* Nose		Inflammation	Mild
* Ovary		Atrophy	Moderate
* Spleen		Pigmentation	Moderate
Tooth		Dysplasia	Moderate
[Dysplasia TGLS = 1-15]			
* Uterus		Inflammation	Mild
* Vagina		Inflammation	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: TGL 1 - noted grossly as Cavity, oral is Tooth

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 74

TRT#: 5

SEX: Female

DAY ON TEST: 514

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300074

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	* Liver	* Lung	* Lymph Node, Mesenteric
* Nose	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Brain, Brain Stem		Compression	Moderate
		Hemorrhage	Mild
[Compression TGLS = 2-3]			
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Ovary		Atrophy	Mild
		Hyperplasia	Sertoliform, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Spleen		Pigmentation	Mild
* Uterus			
Note: TGL 1 - NCL			
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
 CAS Number: 57-63-6

Date Report Requested: 10/23/2014
 Time Report Requested: 13:21:45
 First Dose M/F: NA / NA
 Lab: NCTR

ANIMAL ID: 75

TRT#: 6

SEX: Female

DAY ON TEST: 519

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300075

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	* Oviduct	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

MISSING

* Vagina

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Clitoral Gland		Inflammation	Moderate
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule Bilateral	Accumulation, Hyaline Droplet Hydronephrosis	Mild Moderate
	[Hydronephrosis TGLS = 2-11]		
* Mammary Gland	Alveolus	Hyperplasia Lactation	Mild Mild
* Ovary		Atrophy Cyst Hyperplasia	Mild Sertoliform, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Urinary Bladder		Inflammation	Mild
* Uterus		Fibrous Histiocytoma	
	[Fibrous Histiocytoma TGLS = 1-2+2C+2D+2E]		
* Vagina			

Note: No recut or wet tissue per pathologist (Vagina was destroyed by invasive neoplasm - TGL 1)

PRIMARY CAUSE OF DEATH - Uterus Fibrous Histiocytoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 75

TRT#: 6

SEX: Female

DAY ON TEST: 519

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300075

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 77

TRT#: 1

SEX: Female

DAY ON TEST: 529

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300077

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	* Oviduct
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Vacuolization Cytoplasmic	Mild
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Minimal
		Lactation	Mild
	[Fibroadenoma TGLS = 1-6A]		
* Ovary		Atrophy	Minimal
		Hyperplasia	Sertoliform, Minimal
* Pancreas	Acinar Cell	Degeneration	Moderate
* Skin		Inflammation	Mild
	[Inflammation TGLS = 3-6]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus		Dilatation	Moderate
	[Dilatation TGLS = 2-2]		
* Vagina	Mucocyte	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 78	TRT#: 5	SEX: Female	DAY ON TEST: 530
	DOSE: F1/2PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300078

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	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Oviduct	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Inflammation	Mild
* Kidney		Degeneration	Mucoid, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-6A+6]			
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 80

TRT#: 5

SEX: Female

DAY ON TEST: 538

DOSE: F1/2PPB TO CTL

DISP: Natural Death

HISTO: 021380300080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mesenteric	* Nose	* Oviduct	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Clitoral Gland		Inflammation	Mild
* Esophagus		Inflammation	Marked
Note: Lesion is on slide 10			
* Eye	Retina	Autolysis	Marked
		Cataract	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Mild
[Fibroadenoma TGLS = 1,2-6A+6B]			
* Ovary		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin			
Note: TGL 2 - noted grossly as Skin is Mammary Gland			
Note: TGL 1 - noted grossly as Skin is Mammary Gland			
* Spleen		Pigmentation	Moderate
* Uterus		Atrophy	Mild
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Esophagus Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 81

TRT#: 1

SEX: Female

DAY ON TEST: 539

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* 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	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Vacuolization Cytoplasmic	Minimal
		Compression	Mild
* Brain, Brain Stem			
[Compression TGLS = 3-3]			
* Kidney		Cyst	
		Mineralization	Minimal
[Cyst TGLS = 2-11]			
* Mammary Gland		Lactation	Mild
* Ovary		Atrophy	Mild
		Cyst	
		Hyperplasia	Sertoliform, Minimal
[Cyst TGLS = 1-2B]			
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Pigmentation	Moderate
* Uterus		Atrophy	Mild
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 82

TRT#: 6

SEX: Female

DAY ON TEST: 537

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300082

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
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adren Medulla Note: TGL 4 - NCL			
* Adrenal Cortex Note: TGL 4 - NCL		Degeneration	Cystic, Mild
* Brain, Brain Stem		Compression	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
	Alveolus	Galactocele	
		Hyperplasia	Minimal
		Lactation	Minimal
[Fibroadenoma TGLS = 2-6B]			
[Galactocele TGLS = 1-6A]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Moderate
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach [Ulcer TGLS = 6-7A]		Ulcer	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 82	TRT#: 6	SEX: Female	DAY ON TEST: 537
	DOSE: F1/10PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300082

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Cyst	
* Vagina	Mucocyte	Hyperplasia	Moderate
		Inflammation	Moderate
[Inflammation TGLS = 3-2A]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 83

TRT#: 3

SEX: Female

DAY ON TEST: 538

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300083

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
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Clitoral Gland		Inflammation	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Mild
Lymph Node	Lumbar	Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 4-15]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Adenocarcinoma	
[Adenocarcinoma TGLS = 1-6A]		Lactation	Mild
* Ovary		Atrophy	Moderate
[Cyst TGLS = 3-2B]		Cyst	
		Hyperplasia	Sertoliform, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 2-9]			
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 83	TRT#: 3	SEX: Female	DAY ON TEST: 538
	DOSE: F1 10 PPB	DISP: Moribund Sacrifice	HISTO: 021380300083

ORGAN AND ACCOUNTABLE SITE STATUS

* Vagina	Mucocyte	Metaplasia Hyperplasia	Squamous, Mild Mild
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 84 **TRT#:** 5 **SEX:** Female **DAY ON TEST:** 542
DOSE: F1/2PPB TO CTL **DISP:** Moribund Sacrifice **HISTO:** 021380300084

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	* Liver	* Lung	* Lymph Node, Mesenteric
* Nose	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Vagina			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 3-3]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland		Lactation	Mild
* Ovary		Atrophy	Moderate
		Hyperplasia	Sertoliform, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Spleen		Pigmentation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 86

TRT#: 6

SEX: Female

DAY ON TEST: 546

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland	* 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
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 1,6-1]		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Mild
* Esophagus		Inflammation	Marked
* Eye	Bilateral, Retina	Degeneration	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver [Angiectasis TGLS = 3-9]		Angiectasis	Mild
* Lymph Node, Mandibular [Infiltration Cellular TGLS = 4-4]		Infiltration Cellular	Plasma Cell, Moderate
* Ovary		Atrophy	Moderate
		Hyperplasia	Sertoliform, Minimal
Note: TGL 2 - NCL			
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Moderate
* Thymus			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 86	TRT#: 6	SEX: Female	DAY ON TEST: 546
	DOSE: F1/10PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300086

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Recut attempted			
* Vagina	Mucocyte	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Esophagus	Inflammation	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 89

TRT#: 3

SEX: Female

DAY ON TEST: 555

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* 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	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Vagina	

OBSERVATIONS

* Adren Medulla			
Note: TGL 6 - noted grossly as Adrenal Medulla is Adrenal Cortex			
* Adrenal Cortex		Degeneration	Cystic, Moderate
[Degeneration TGLS = 6-1]			
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 5-3]			
* Mammary Gland		Galactocele	
	Alveolus	Hyperplasia	Minimal
		Lactation	Minimal
[Galactocele TGLS = 1-6]			
* Ovary		Atrophy	Moderate
		Cyst	
[Cyst TGLS = 2-2B]			
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Pigmentation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 3-2]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 93

TRT#: 3

SEX: Female

DAY ON TEST: 555

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300093

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	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Inflammation	Mild
* Eye	Retina	Degeneration	Minimal
* Mammary Gland	Alveolus	Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-6]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Thymus		Cyst	
* Vagina		Polyp	
[Polyp TGLS = 2-2A]			

PRIMARY CAUSE OF DEATH

- Vagina Polyp

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 101

TRT#: 7

SEX: Female

DAY ON TEST: 561

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300101

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, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mesenteric	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Minimal
		Compression	Moderate
* Brain, Brain Stem			
[Compression TGLS = 4-3]			
* Eye	Bilateral, Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
[Nephropathy TGLS = 7-11]			
* Lung		Inflammation	Mild
* Lym Node Mesen			
Note: TGL 6 - NST			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Mild
	Alveolus	Hyperplasia	Moderate
		Lactation	Moderate
[Hyperplasia TGLS = 2,3-6C+6B]			
[Lactation TGLS = 2,3-6C+6B]			
* Nose		Foreign Body	
		Inflammation	Mild
* Ovary	Corpus Luteum	Cyst	
		Hyperplasia	Sertoliform, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 101	TRT#: 7	SEX: Female	DAY ON TEST: 561
	DOSE: F1/50PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300101

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Skin		Inflammation	Mild
[Inflammation TGLS = 1-6A]			
* Spleen		Pigmentation	Minimal
* Uterus		Polyp Stromal	
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 102

TRT#: 6

SEX: Female

DAY ON TEST: 561

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300102

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
* Kidney	* Lymph Node, Mesenteric	* Nose	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 6-1]		Degeneration	Cystic, Moderate
* Brain, Brain Stem [Compression TGLS = 4-3]		Compression	Moderate
* Clitoral Gland		Inflammation	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Liver		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland [Fibroadenoma TGLS = 1-6A] [Hyperplasia TGLS = 2-6B]		Atypical Focus Fibroadenoma	Mild
	Alveolus	Hyperplasia Lactation	Mild Mild
* Ovary		Atrophy Hyperplasia	Moderate Sertoliform, Minimal
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Skin [Inflammation TGLS = 3-6C]		Inflammation	Mild
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 102	TRT#: 6	SEX: Female	DAY ON TEST: 561
	DOSE: F1/10PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300102

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus Note: TGL 7 - NCL			
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
* Vagina		Inflammation	Mild

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 104

TRT#: 2

SEX: Female

DAY ON TEST: 563

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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, Mesenteric
* Nose	* Oviduct	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain, Brain Stem [Compression TGLS = 6-3]		Compression	Moderate
* Clitoral Gland [Inflammation TGLS = 1-2A]		Inflammation	Moderate
* Kidney		Cyst	
		Mineralization	Mild
		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Adenocarcinoma	Multiple
		Atypical Focus	Mild
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Adenocarcinoma TGLS = 2,3-6B+6A]			
* Ovary		Atrophy	Moderate
		Hyperplasia	Sertoliform, Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 104

TRT#: 2

SEX: Female

DAY ON TEST: 563

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300104

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

[Polyp Stromal TGLS = 4-2]

Polyp Stromal

* Vagina

Inflammation

Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:45

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 105

TRT#: 6

SEX: Female

DAY ON TEST: 566

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * 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, Mesenteric |
| * Nose | * Oviduct | * Pancreas | * Parathyroid Gland |
| Peripheral Nerve | * Salivary Glands | Skeletal Muscle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | * Uterus | | |

AUTO PRECLUDES DIAG.

Spinal Cord

OBSERVATIONS

- | | | | |
|--------------------------------------|----------|----------------------------------|-------------------|
| * Adren Cortex | | | |
| Note: TGL 5 - NCL | | | |
| * Adren Medulla | | | |
| Note: TGL 5 - NCL | | | |
| * Brain, Brain Stem | | Compression | Moderate |
| [Compression TGLS = 3-3] | | | |
| * Clitoral Gland | | Inflammation | Moderate |
| * Kidney | | Mineralization | Mild |
| [Mineralization TGLS = 6-11A] | | | |
| * Liver | | Hematopoietic Cell Proliferation | Minimal |
| | | Vacuolization Cytoplasmic | Mild |
| | | Infiltration Cellular | Plasma Cell, Mild |
| * Lymph Node, Mandibular | | | |
| [Infiltration Cellular TGLS = 4-4] | | | |
| * Mammary Gland | | Adenocarcinoma | |
| | Alveolus | Hyperplasia | Mild |
| | | Lactation | Minimal |
| [Adenocarcinoma TGLS = 1-6A] | | | |
| * Ovary | | Atrophy | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 105	TRT#: 6	SEX: Female	DAY ON TEST: 566
	DOSE: F1/10PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300105

ORGAN AND ACCOUNTABLE SITE STATUS

Perph Nerve		Hyperplasia	Sertoliform, Minimal
Note: Removal observations indicated posterior paralysis. Tissue processed per NTP SOW.			
Note: Tissue located on slide 15.			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
Skel Muscle			
Note: Tissue located on slide 15.			
Note: Removal observations indicated posterior paralysis. Tissue processed per NTP SOW.			
Spinal Cord			
Note: Tissue located on slide 15.			
Note: Removal observations indicated posterior paralysis. Tissue processed per NTP SOW.			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thyroid Gland		Ultimobranchial Cyst	Mild
* Vagina	Mucocyte	Hyperplasia	Moderate
		Inflammation	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 106

TRT#: 5

SEX: Female

DAY ON TEST: 569

DOSE: F1/2PPB TO CTL

DISP: Natural Death

HISTO: 021380300106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland	* Esophagus
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mesenteric	* Nose	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Vagina			

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum	* Urinary Bladder
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Minimal
[Compression TGLS = 6-3]			
* Eye	Bilateral	Cataract	
* Kidney		Mineralization	Moderate
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Ovary		Atrophy	Moderate
		Cyst	
[Cyst TGLS = 2-2B]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Skin		Inflammation	Mild
[Inflammation TGLS = 5-15]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 3-2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 106

TRT#: 5

SEX: Female

DAY ON TEST: 569

DOSE: F1/2PPB TO CTL

DISP: Natural Death

HISTO: 021380300106

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 109

TRT#: 1

SEX: Female

DAY ON TEST: 568

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300109

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	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Uterus			

OBSERVATIONS

* Brain, Brain Stem [Compression TGLS = 5-3]		Compression	Marked
* Clitoral Gland [Dilatation TGLS = 8-2A]	Duct	Dilatation Inflammation	Mild Minimal
* Harderian Gland		Atrophy	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
* Lymph Node, Mandibular [Infiltration Cellular TGLS = 3-4]		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland [Fibroadenoma TGLS = 1,2-6A+6B]	Alveolus	Atypical Focus Fibroadenoma Hyperplasia Lactation	Mild Multiple Mild Mild
* Ovary		Atrophy	Minimal
* Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Hyperplasia Adenoma	Sertoliform, Minimal
* Skin		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 109	TRT#: 1	SEX: Female	DAY ON TEST: 568
	DOSE: F1 0PPB	DISP: Moribund Sacrifice	HISTO: 021380300109

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 7-6C]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 4-9]			
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
* Vagina	Mucocyte	Hyperplasia	Mild
		Inflammation	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 111

TRT#: 7

SEX: Female

DAY ON TEST: 574

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300111

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	* Lung
* Oviduct	* Parathyroid Gland	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Mild
* Eye	Cornea	Inflammation	Mild
[Inflammation TGLS = 5-12A]			
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Hyperplasia	Focal, Mild
* Liver		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 2-4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Minimal
		Lactation	Mild
[Fibroadenoma TGLS = 1-6B]			
* Nose	Nasolacrim Dct	Inflammation	Mild
Oral Mucosa		Keratin Cyst	
[Keratin Cyst TGLS = 3-14]			
* Ovary		Atrophy	Moderate
		Cyst	
		Hyperplasia	Sertoliform, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 111	TRT#: 7	SEX: Female	DAY ON TEST: 574
	DOSE: F1/50PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300111

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland			
Note: No recut or wet tissue attempt per pathologist (destroyed at necropsy)			
* Salivary Glands		Inflammation	Chronic, Moderate
* Skin		Inflammation	Moderate
[Inflammation TGLS = 4-6A]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Edema	Mild
[Edema TGLS = 6-7]			
* Vagina		Inflammation	Mild

PRIMARY CAUSE OF DEATH - Oral Mucosa Keratin Cyst

Animal Note: TGL 3 - noted grossly as Tissue NOS is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 112 **TRT#:** 3 **SEX:** Female **DAY ON TEST:** 575
DOSE: F1 10 PPB **DISP:** Moribund Sacrifice **HISTO:** 021380300112

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
* Kidney	* Liver	* Lymph Node, Mesenteric	* Oviduct
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 4-3]			
* Clitoral Gland		Atrophy	Mild
	Duct	Dilatation	Moderate
* Harderian Gland		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 5-10+10A]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Marked
		Lactation	Mild
[Fibroadenoma TGLS = 2-6A]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Mild
* Parathyroid Gl			
Note: Recut attempted			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 112	TRT#: 3	SEX: Female	DAY ON TEST: 575
	DOSE: F1 10 PPB	DISP: Moribund Sacrifice	HISTO: 021380300112

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 3-1]	Pars Distalis	Adenoma	
* Vagina		Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 115

TRT#: 3

SEX: Female

DAY ON TEST: 579

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mesenteric	* Nose
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 5-3]			
* Brain, Cerebrum		Hydrocephalus	Mild
Note: An area of subependymal malacia is present adjacent to lateral ventricles			
* Clitoral Gland		Inflammation	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
Note: TGL 1 also located on slide 4A			
[Infiltration Cellular TGLS = 1-4+4A]			
* Mammary Gland		Lactation	Minimal
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Hyperplasia	Atypical, Focal, Mild
[Hyperplasia TGLS = 2-2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 115	TRT#: 3	SEX: Female	DAY ON TEST: 579
	DOSE: F1 10 PPB	DISP: Moribund Sacrifice	HISTO: 021380300115

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 3-2]			
* Vagina	Mucocyte	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 117

TRT#: 3

SEX: Female

DAY ON TEST: 582

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300117

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	* Liver	* Lung	* Nose
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Clitoral Gland		Inflammation	Minimal
* Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 1-4]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Atypical Focus	Minimal
		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLS = 2,3-6B+6A]			
* Ovary		Atrophy	Marked
		Cyst	
		Hyperplasia	Sertoliform, Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 5-1]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 117	TRT#: 3	SEX: Female	DAY ON TEST: 582
	DOSE: F1 10 PPB	DISP: Moribund Sacrifice	HISTO: 021380300117

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus [Hyperplasia TGLS = 4-2]	Endometrium	Hyperplasia	Cystic, Mild
* Vagina	Mucocyte	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 120

TRT#: 3

SEX: Female

DAY ON TEST: 583

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* 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
* Lung	* Lymph Node, Mesenteric	* Nose	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 5-3A]			
* Brain, Cerebrum		Hydrocephalus	Mild
* Clitoral Gland		Inflammation	Mild
* Kidney		Mineralization	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 3-4]			
* Mammary Gland		Adenocarcinoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Adenocarcinoma TGLS = 1-6A]			
* Ovary		Atrophy	Marked
		Cyst	
		Sertoli Cell Tumor Benign	
[Cyst TGLS = 2-2B]			
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 120	TRT#: 3	SEX: Female	DAY ON TEST: 583
	DOSE: F1 10 PPB	DISP: Moribund Sacrifice	HISTO: 021380300120

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Moderate
* Thymus			
Note: Recut / Wet tissue attempted			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Hyperplasia	Atypical, Focal, Minimal
* Vagina	Mucocyte	Hyperplasia	Minimal
		Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 123

TRT#: 4

SEX: Female

DAY ON TEST: 584

DOSE: F1 50 PPB

DISP: Moribund Sacrifice

HISTO: 021380300123

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, Mesenteric	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Cyst	Marked
		Hematopoietic Cell Proliferation	Mild
[Cyst TGLS = 8-1]			
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 11-3A]			
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral, Renal Tubule	Carcinoma	
		Cyst	
[Carcinoma TGLS = 12,13-11+11A]			
[Cyst TGLS = 7,9-11+11A]			
* Liver		Hematopoietic Cell Proliferation	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
Note: TGL 2 - noted grossly as Lymph Node, Mandibular is Mammary Gland			
* Mammary Gland		Adenocarcinoma	Multiple
		Galactocele	
	Alveolus	Hyperplasia	Mild
		Lactation	Minimal
[Adenocarcinoma TGLS = 1,2,3,4-15+6C+6B]			
[Galactocele TGLS = 5-6A]			
* Nose		Foreign Body	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 123	TRT#: 4	SEX: Female	DAY ON TEST: 584
	DOSE: F1 50 PPB	DISP: Moribund Sacrifice	HISTO: 021380300123

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Hyaline Droplet	Mild
		Inflammation	Moderate
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 10-1]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLS = 6-9]		
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Vagina	Mucocyte	Hyperplasia	Mild
		Inflammation	Mild

PRIMARY CAUSE OF DEATH -
CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Adenocarcinoma;Pituitary Gland Pars Distalis Adenoma

Animal Note: TGL 1 - noted grossly as Lymph Node, axillary is Mammary Gland

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 129

TRT#: 4

SEX: Female

DAY ON TEST: 592

DOSE: F1 50 PPB

DISP: Natural Death

HISTO: 021380300129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Oviduct	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Esophagus		Hemorrhage	Mild
		Inflammation	Marked
Note: Inflammation is located on slide 10			
* Kidney		Cyst	
		Degeneration	Mucoid, Mild
[Cyst TGLS = 1-11]			
* Lung		Hemorrhage	Mild
		Inflammation	Moderate
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Ovary		Atrophy	Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland			
Note: Recut attempted			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach		Ulcer	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 129

TRT#: 4

SEX: Female

DAY ON TEST: 592

DOSE: F1 50 PPB

DISP: Natural Death

HISTO: 021380300129

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Cyst

* Vagina

Mucocyte

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

- Esophagus Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 130

TRT#: 7

SEX: Female

DAY ON TEST: 593

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300130

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	* Liver	* Lung	* Lymph Node, Mesenteric
* Nose	* Oviduct	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Brain, Brain Stem		Compression	Moderate
		Hydrocephalus	Mild
[Compression TGLS = 3-3]			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland	Duct	Dilatation	Mild
		Fibroadenoma	
	Alveolus	Hyperplasia	Minimal
		Lactation	Mild
[Fibroadenoma TGLS = 1-6A]			
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Spleen		Pigmentation	Moderate
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
* Vagina		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 130

TRT#: 7

SEX: Female

DAY ON TEST: 593

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300130

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 133 **TRT#:** 5 **SEX:** Female **DAY ON TEST:** 592
DOSE: F1/2PPB TO CTL **DISP:** Natural Death **HISTO:** 021380300133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Cerebellum
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lung	* Lymph Node, Mesenteric
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Brain, Brain Stem		Compression	Marked
[Compression TGLS = 4-3]			
* Brain, Cerebrum		Hydrocephalus	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Mild
		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLS = 1-6A]			
* Nose		Inflammation	Minimal
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 2-6B]			
* Thymus		Cyst	
		Hemorrhage	Moderate
* Vagina	Mucocyte	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 133

TRT#: 5

SEX: Female

DAY ON TEST: 592

DOSE: F1/2PPB TO CTL

DISP: Natural Death

HISTO: 021380300133

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 134

TRT#: 2

SEX: Female

DAY ON TEST: 595

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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
* Liver	* Lung	* Lymph Node, Mesenteric	* Nose
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 2-3]			
* Brain, Cerebrum		Hydrocephalus	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland	Alveolus	Hyperplasia	Minimal
		Lactation	Mild
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Spleen		Pigmentation	Mild
* Thymus		Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Metaplasia	Squamous, Mild
* Vagina		Inflammation	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 136

TRT#: 2

SEX: Female

DAY ON TEST: 594

DOSE: F1 2PPB

DISP: Natural Death

HISTO: 021380300136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Inflammation	Minimal
* Esophagus		Inflammation	Marked
Note: Inflammation is located on slide 10			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 2-10A]			
* Nose		Inflammation	Mild
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-1]			
* Spleen		Pigmentation	Marked
* Stomach, Forestomach		Inflammation	Mild
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Esophagus Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 137 **TRT#:** 1 **SEX:** Female **DAY ON TEST:** 595
DOSE: F1 0PPB **DISP:** Moribund Sacrifice **HISTO:** 021380300137

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
* Kidney	* Liver	* Lung	* Lymph Node, Mesenteric
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 2-3]			
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Moderate
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-1]			
* Spleen		Pigmentation	Mild
* Vagina	Mucocyte	Hyperplasia	Mild
		Inflammation	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 142

TRT#: 5

SEX: Female

DAY ON TEST: 597

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300142

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	* Nose	* Oviduct
* Parathyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex	Degeneration	Cystic, Moderate
* Clitoral Gland	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 7-2A]		
* Eye	Lymphoma Malignant	
Note: The malignant lymphoma has infiltrated the choroid as well as extra-ocular muscles.		
* Harderian Gland	Lymphoma Malignant	
* Heart	Lymphoma Malignant	
* Islets, Pancreatic	Lymphoma Malignant	
* Kidney	Lymphoma Malignant	
	Mineralization	Minimal
* Liver	Lymphoma Malignant	
* Lung	Lymphoma Malignant	
* Lymph Node, Mandibular	Lymphoma Malignant	
* Lymph Node, Mesenteric	Lymphoma Malignant	
* Mammary Gland	Fibroadenoma	Multiple
	Galactocele	
	Lymphoma Malignant	
Note: All three fibroadenomas and tissue adjacent to galactocelle are infiltrated by malignant lymphoma.		
[Fibroadenoma TGLS = 1,2,3-6A+6B+6C]		
[Galactocele TGLS = 4-6D]		
* Ovary	Atrophy	Marked
	Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 142	TRT#: 5	SEX: Female	DAY ON TEST: 597
	DOSE: F1/2PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300142

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Salivary Glands		Lymphoma Malignant	
* Skin		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 5-9]			
* Stomach, Forestomach		Inflammation	Moderate
* Stomach, Glandular		Inflammation	Mild
* Thymus			
Note: Wet tissue attempted			
* Thyroid Gland	Follicular Cel	Adenoma	
		Lymphoma Malignant	
* Vagina		Inflammation	Moderate
		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH	-
CONTRIBUTORY CAUSE OF DEATH	- Liver Lymphoma Malignant;Lung Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 143

TRT#: 4

SEX: Female

DAY ON TEST: 597

DOSE: F1 50 PPB

DISP: Moribund Sacrifice

HISTO: 021380300143

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	* Kidney	* Lung
* Lymph Node, Mesenteric	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Vagina			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Liver		Angiectasis	Mild
[Angiectasis TGLS = 3-9]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Minimal
[Fibroadenoma TGLS = 2-6B]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Cyst	
* Skin			
Note: TGL 4 - NCL			
Note: TGL 1 - NCL			
* Spleen		Pigmentation	Mild
* Uterus		Hyperplasia	Atypical, Focal, Minimal
		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 144

TRT#: 7

SEX: Female

DAY ON TEST: 598

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300144

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	* Oviduct	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Clitoral Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
Note: Additional tissue submitted at 10% wet tissue review on slide 10A.			
[Infiltration Cellular TGLS = 3-10A]			
Lymph Node	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 2-15]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 1-4]			
* Lymph Node, Mesenteric		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Moderate
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Minimal
* Nose	Nasolacrim Dct	Inflammation	Mild
		Inflammation	Moderate
Note: Nasal inflammation may be due to tooth malocclusion.			
* Ovary		Atrophy	Moderate
		Cyst	
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 144	TRT#: 7	SEX: Female	DAY ON TEST: 598
	DOSE: F1/50PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300144

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus		Hyperplasia	Atypical, Focal, Mild
* Vagina	Mucocyte	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Nose Inflammation		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:45

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 145

TRT#: 1

DOSE: F1 0PPB

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 598

HISTO: 021380300145

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 | * Oviduct |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---------------------------------------|----------|-----------------------|----------------------|
| * Adrenal Cortex | | Angiectasis | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | Capsule | Hemorrhage | Focal, Mild |
| [Hemorrhage TGLS = 2-9] | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Mild |
| [Infiltration Cellular TGLS = 3-10] | | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Mammary Gland | | Fibroadenoma | |
| | Alveolus | Hyperplasia | Mild |
| [Fibroadenoma TGLS = 1-6A] | | | |
| * Ovary | | Atrophy | Minimal |
| | | Hyperplasia | Sertoliform, Minimal |
| * Vagina | Mucocyte | Hyperplasia | Moderate |

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 151

TRT#: 2

SEX: Female

DAY ON TEST: 602

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300151

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 Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Nose
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Mild
* Clitoral Gland		Inflammation	Moderate
* Intestine Large, Rectum		Leiomyosarcoma	Metastatic (Uterus)
* Liver		Vacuolization Cytoplasmic	Mild
[Vacuolization Cytoplasmic TGLS = 5-9]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Minimal
		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
Note: TGL 2 - noted grossly as Mammary Gland is Skin, subcutaneous tissue			
[Fibroadenoma TGLS = 1-6A]			
Mesentery		Leiomyosarcoma	Metastatic (Uterus)
[Leiomyosarcoma TGLS = 4-15]			
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	Subcut Tiss	Leiomyosarcoma	Metastatic (Uterus)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 151	TRT#: 2	SEX: Female	DAY ON TEST: 602
	DOSE: F1 2PPB	DISP: Moribund Sacrifice	HISTO: 021380300151

ORGAN AND ACCOUNTABLE SITE STATUS

[Leiomyosarcoma TGLS = 2-6B]		
* Spleen	Hematopoietic Cell Proliferation	Moderate
* Thymus		
Note: Recut attempted		
* Uterus	Leiomyosarcoma	
[Leiomyosarcoma TGLS = 3-2]		
* Vagina	Inflammation	Mild

PRIMARY CAUSE OF DEATH	- Uterus Leiomyosarcoma
------------------------	-------------------------

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 152

TRT#: 3

SEX: Female

DAY ON TEST: 604

DOSE: F1 10 PPB

DISP: Natural Death

HISTO: 021380300152

ORGAN AND ACCOUNTABLE SITE STATUS

MISSING

* Adrenal Cortex	* 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
* Kidney	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus	* Vagina		

OBSERVATIONS

* Ovary
Note: TGL 2 - noted grossly as Ovary is Tissue NOS

* Pituitary Gland	Pars Distalis	Adenoma
[Adenoma TGLS = 3-1]		
Tissue NOS		Sarcoma
[Sarcoma TGLS = 1,2-15+2B]		

PRIMARY CAUSE OF DEATH - Tissue NOS Sarcoma
CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: Tissue severely autolyzed at necropsy. Only gross lesions reviewed per pathologis t.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 154

TRT#: 6

SEX: Female

DAY ON TEST: 612

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300154

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	* Oviduct	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 4-3]			
* Clitoral Gland		Inflammation	Minimal
* Eye		Cataract	
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland	Alveolus	Hyperplasia	Minimal
		Lactation	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Spleen		Pigmentation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 154

TRT#: 6

SEX: Female

DAY ON TEST: 612

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300154

ORGAN AND ACCOUNTABLE SITE STATUS

Hyperplasia

Atypical, Focal, Minimal

Metaplasia

Squamous, Minimal

[Hyperplasia TGLS = 3-2]

* Vagina

Mucocyte

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 155

TRT#: 4

SEX: Female

DAY ON TEST: 614

DOSE: F1 50 PPB

DISP: Natural Death

HISTO: 021380300155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum
* Esophagus	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Pancreas	* Skin	* Stomach, Forestomach
* Stomach, Glandular			

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-1]			
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain, Cerebrum		Leukemia Mononuclear	
* Clitoral Gland		Leukemia Mononuclear	
* Eye	Bilateral	Leukemia Mononuclear	
* Harderian Gland		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum	Lymphoid Tiss	Leukemia Mononuclear	
* Intestine Large, Colon	Lymphoid Tiss	Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Mineralization	Mild
[Leukemia Mononuclear TGLS = 6-11+11A]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-9]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10,11-10]			
Lymph Node	Lumbar	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-15]			
[Leukemia Mononuclear TGLS = 7-15A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:45

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 155

TRT#: 4

SEX: Female

DAY ON TEST: 614

DOSE: F1 50 PPB

DISP: Natural Death

HISTO: 021380300155

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 8-4]		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland Note: Mammary Gland is on slide 4 adjacent to the Salivary Gland	Alveolus	Hyperplasia	Minimal
* Nose		Leukemia Mononuclear	
* Ovary		Atrophy	Moderate
* Oviduct		Leukemia Mononuclear	
* Parathyroid Gland		Leukemia Mononuclear	
* Pituitary Gland [Leukemia Mononuclear TGLS = 9-1]		Leukemia Mononuclear	
* Salivary Glands [Leukemia Mononuclear TGLS = 12-4]		Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 1-9A]		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland		Leukemia Mononuclear	
* Trachea		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	
* Uterus Cervix [Squamous Cell Carcinoma TGLS = 2-2]		Squamous Cell Carcinoma	
* Vagina		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 157

TRT#: 1

SEX: Female

DAY ON TEST: 614

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300157

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, Mesenteric	* Nose	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 4-1]		Degeneration	Cystic, Moderate
* Brain, Brain Stem [Compression TGLS = 6-3]		Compression	Moderate
* Clitoral Gland [Inflammation TGLS = 7-2A]		Inflammation	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular [Degeneration TGLS = 2-4] [Infiltration Cellular TGLS = 3-4]		Degeneration Infiltration Cellular	Cystic, Mild Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
		Galactocele	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Ovary [Galactocele TGLS = 1-6A]		Atrophy	Marked
		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 157	TRT#: 1	SEX: Female	DAY ON TEST: 614
	DOSE: F1 0PPB	DISP: Moribund Sacrifice	HISTO: 021380300157

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Mild
* Thymus		Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
* Vagina		Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 161

TRT#: 7

SEX: Female

DAY ON TEST: 617

DOSE: F1/50PPB TO CTL

DISP: Natural Death

HISTO: 021380300161

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, Mesenteric	* Nose	* Oviduct
* Pancreas	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Eye

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 6-3]			
* Clitoral Gland		Inflammation	Mild
[Inflammation TGLS = 3-3]			
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland		Adenocarcinoma	
	Alveolus	Fibroadenoma	
		Hyperplasia	Minimal
		Lactation	Minimal
[Adenocarcinoma TGLS = 2-6A]			
[Fibroadenoma TGLS = 4-6B]			
* Ovary		Atrophy	Moderate
* Parathyroid Gl			
Note: Recut attempted			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 161	TRT#: 7	SEX: Female	DAY ON TEST: 617
	DOSE: F1/50PPB TO CTL	DISP: Natural Death	HISTO: 021380300161

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
Note: Wet tissue requested for Pituitary Gland on slide 1A [Adenoma TGLS = 7-1+1A]			
* Skin		Inflammation	Moderate
Note: TGL 2 - noted grossly as Skin is Mammary Gland [Inflammation TGLS = 5-6C]			
* Thymus		Cyst	
* Trachea		Inflammation	Minimal
* Vagina	Mucocyte	Hyperplasia	Mild
		Inflammation	Minimal

PRIMARY CAUSE OF DEATH	- Mammary Gland Adenocarcinoma
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 163

TRT#: 5

SEX: Female

DAY ON TEST: 618

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300163

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	* Kidney
* Lung	* Lymph Node, Mesenteric	* Nose	* Oviduct
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus	* Vagina		

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 4-4]			
* Mammary GI			
Note: Wet tissue attempted			
* Nose			
Note: TGL 3 - noted grossly as Nose is Oral Mucosa			
Oral Mucosa		Keratin Cyst	
[Keratin Cyst TGLS = 3-14+14A]			
* Ovary		Atrophy	Minimal
Note: TGL 1 - NCL			
* Pancreas	Acinar Cell	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Stom Gland			
Note: TGL 2 - noted grossly as Stomach, Glandular is Stomach, Forestomach			
* Stomach, Forestomach		Keratin Cyst	
[Keratin Cyst TGLS = 2-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 163

TRT#: 5

SEX: Female

DAY ON TEST: 618

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300163

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Note: Wet tissue attempted

PRIMARY CAUSE OF DEATH

- Oral Mucosa Keratin Cyst

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 164

TRT#: 5

SEX: Female

DAY ON TEST: 618

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300164

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	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Clitoral Gland	Duct	Dilatation	Moderate
		Inflammation	Minimal
[Dilatation TGLS = 1-2A]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Liver		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-2C]			
* Vagina		Hemorrhage	Mild
	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Uterus Polyp Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 165

TRT#: 5

SEX: Female

DAY ON TEST: 620

DOSE: F1/2PPB TO CTL

DISP: Natural Death

HISTO: 021380300165

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* 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	* Liver	* Lung	* Lymph Node, Mesenteric
* Oviduct	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	* Vagina

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 1-1]		Degeneration	Cystic, Moderate
* Brain, Brain Stem [Compression TGLS = 3-3]		Compression	Mild
* Brain, Cerebrum		Hydrocephalus	Mild
* Kidney		Mineralization	Moderate
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland [Fibroadenoma TGLS = 2-6A]	Alveolus	Fibroadenoma Hyperplasia Lactation	Mild Minimal
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland [Adenoma TGLS = 4-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 166

TRT#: 7

SEX: Female

DAY ON TEST: 620

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300166

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* 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
* Liver	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 5-1]		Degeneration	Cystic, Moderate
* Brain, Brain Stem [Carcinoma TGLS = 8-3]		Carcinoma	Metastatic (Pituitary Gland)
* Brain, Cerebellum		Hemorrhage	Moderate
* Clitoral Gland [Inflammation TGLS = 1-2A]		Inflammation	Mild
* Kidney		Mineralization	Mild
* Lung		Edema	Mild
		Inflammation	Mild
Lymph Node [Degeneration TGLS = 7-15] [Hyperplasia TGLS = 7-15]	Inguinal Inguinal	Degeneration Hyperplasia	Cystic, Mild Lymphoid, Moderate
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Adenocarcinoma	
	Duct	Dilatation	Mild
		Fibroadenoma	
		Galactocele	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 166	TRT#: 7	SEX: Female	DAY ON TEST: 620
	DOSE: F1/50PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300166

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenocarcinoma TGLS = 6-6C]			
[Fibroadenoma TGLS = 2-6A]			
[Galactocele TGLS = 3-6B]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLS = 9-1]			
* Spleen		Pigmentation	Moderate
* Thymus		Cyst	
* Thyroid Gland		Inflammation	Chronic, Mild
* Trachea		Inflammation	Mild
* Uterus		Inflammation	Moderate
[Inflammation TGLS = 4-2]			
* Vagina	Mucocyte	Hyperplasia Inflammation	Moderate Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 169	TRT#: 2	SEX: Female	DAY ON TEST: 624
	DOSE: F1 2PPB	DISP: Moribund Sacrifice	HISTO: 021380300169

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, Mesenteric	* Oviduct	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 2-1]		Degeneration	Cystic, Mild
* Brain, Brain Stem [Compression TGLS = 4-3]		Compression	Moderate
* Clitoral Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular [Infiltration Cellular TGLS = 1-4]		Infiltration Cellular	Plasma Cell, Marked
* Mammary Gland	Alveolus	Hyperplasia	Moderate
		Lactation	Moderate
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Marked
* Pituitary Gland [Adenoma TGLS = 3-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
* Vagina	Mucocyte	Hyperplasia	Mild
		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:45

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 169

TRT#: 2

SEX: Female

DAY ON TEST: 624

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300169

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 170

TRT#: 4

SEX: Female

DAY ON TEST: 626

DOSE: F1 50 PPB

DISP: Moribund Sacrifice

HISTO: 021380300170

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	* Lung
* Lymph Node, Mesenteric	* Oviduct	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Clitoral Gland		Atrophy	Minimal
		Inflammation	Minimal
Note: TGL 2 - noted grossly as Clitoral Gland is Mammary Gland			
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Adenocarcinoma	Multiple
		Atypical Focus	Mild
	Alveolus	Hyperplasia	Mild
		Lactation	Minimal
[Adenocarcinoma TGLS = 1,2-6A+2A]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-9]			
* Uterus		Polyp Stromal	
Note: Polyp is infarcted and necrotic			
[Polyp Stromal TGLS = 4-2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:45

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 170

TRT#: 4

SEX: Female

DAY ON TEST: 626

DOSE: F1 50 PPB

DISP: Moribund Sacrifice

HISTO: 021380300170

ORGAN AND ACCOUNTABLE SITE STATUS

* Vagina

Mucocyte

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Mammary Gland Adenocarcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 171

TRT#: 7

SEX: Female

DAY ON TEST: 632

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300171

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	* Liver
* Lung	* Lymph Node, Mesenteric	* Oviduct	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Clitoral Gland		Inflammation	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-15]			
* Nose	Nasolacrim Dct	Inflammation	Mild
Note: Squamous cell carcinoma observed in the nasal turbinates is recorded as Squamous cell carcinoma, Oral Mucosa.			
Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 2-14+14A]			
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland			
Note: No recut attempt per pathologist (Tissue cut away)			
* Spleen		Pigmentation	Mild
* Thymus		Cyst	
* Vagina	Mucocyte	Hyperplasia	Mild
		Inflammation	Mild

PRIMARY CAUSE OF DEATH

- Oral Mucosa Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 171

TRT#: 7

SEX: Female

DAY ON TEST: 632

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300171

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL 2 - noted grossly as Cavity, oral is Oral Mucosa

Animal Note: TGL 1 - noted grossly as Lymph Node, inguinal is Mammary Gland

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 175

TRT#: 3

SEX: Female

DAY ON TEST: 632

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300175

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	* Liver	* Lung
* Lymph Node, Mesenteric	* Oviduct	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Clitoral Gland		Inflammation	Mild
* Kidney		Mineralization	Moderate
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 3-4]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-6A+6B]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Skin			
Note: TGL 2 - noted grossly as Skin is Mammary Gland			
Note: TGL 1 - noted grossly as Skin is Mammary Gland			
* Thymus		Cyst	
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:45

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 176

TRT#: 1

DOSE: F1 0PPB

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 631

HISTO: 021380300176

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
* Lymph Node, Mesenteric	* Oviduct	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 2-1]		Degeneration	Cystic, Mild
* Clitoral Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney [Cyst TGLS = 8-11]		Cyst	
* Liver [Vacuolization Cytoplasmic TGLS = 3-9]		Vacuolization Cytoplasmic	Mild
* Lung [Infiltration Cellular TGLS = 7-10]		Infiltration Cellular	Histiocyte, Mild
* Lym Node Mesen Note: Tissue present on slide 8A			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
	Mediastinal	Pigmentation	Mild
	Pancreatic	Pigmentation	Mild
[Hyperplasia TGLS = 4-15]			
[Pigmentation TGLS = 4-15]			
[Pigmentation TGLS = 5-15A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 176

TRT#: 1

SEX: Female

DAY ON TEST: 631

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300176

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Minimal
		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLS = 1,6-6A+6B]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Cyst	
* Parathyroid Gland			
Note: Recut attempted			
* Skin			
Note: TGL 6 - noted grossly as Skin is Mammary Gland			
Note: TGL 1 - noted grossly as Skin is Mammary Gland			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

Animal Note: TGL 5 - noted grossly as Mesentery is Lymph Node, pancreatic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
 CAS Number: 57-63-6

Date Report Requested: 10/23/2014
 Time Report Requested: 13:21:45
 First Dose M/F: NA / NA
 Lab: NCTR

ANIMAL ID: 177 TRT#: 6 SEX: Female DAY ON TEST: 632
 DOSE: F1/10PPB TO CTL DISP: Moribund Sacrifice HISTO: 021380300177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* 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	* Liver	* Lung	* Oviduct
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Bone, Femur		Osteopetrosis	Mild
* Clitoral Gland		Inflammation	Mild
Note: Located on slide 2A			
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Liver			
Note: TGL 3 - NCL			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Minimal
Note: Fibroadenoma also located on slide 2A			
[Fibroadenoma TGLS = 1,2-6A+6B]			
* Nose		Osteopetrosis	Mild
* Ovary		Atrophy	Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 178

TRT#: 5

SEX: Female

DAY ON TEST: 632

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300178

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	* Liver	* Lung	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
[Degeneration TGLS = 7-1]			
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 9-3]			
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-2A]			
* Kidney	Bilateral, Renal Tubule	Carcinoma	
		Mineralization	Mild
Note: Wet tissue requested for TGL 6 on slide 11B			
[Carcinoma TGLS = 4,5,6-11A+11B]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 11-8]			
* Mammary Gland		Atypical Focus	Mild
		Fibroadenoma	
	Alveolus	Hyperplasia	Moderate
		Lactation	Moderate
[Fibroadenoma TGLS = 1-6A]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild
		Carcinoma	Metastatic (Kidney)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 178	TRT#: 5	SEX: Female	DAY ON TEST: 632
	DOSE: F1/2PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300178

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 10-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Moderate
* Thyroid Gland [Carcinoma TGLS = 8-5]	Follicular Cel	Carcinoma	
* Uterus [Hyperplasia TGLS = 3-2]	Endometrium	Hyperplasia	Cystic, Mild
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

CONTRIBUTORY CAUSE OF DEATH

- Kidney Bilateral Renal Tubule Carcinoma;Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 180

TRT#: 3

SEX: Female

DAY ON TEST: 634

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300180

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, Mesenteric	* Nose
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Vagina	

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 6-1]		Degeneration	Cystic, Mild
* Heart Note: TGL 9 - NCL		Cardiomyopathy	Minimal
* Kidney Note: Wet tissue requested for Kidney on slide 11A Note: Wet tissue requested for TGL 4 on slide 11B [Nephropathy TGLS = 4,5-11+11A+11B]		Nephropathy	Moderate
* Liver [Necrosis TGLS = 7-9]	Centrilobular	Necrosis	Moderate
* Lung		Inflammation	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Adenocarcinoma	
		Fibroadenoma	
	Alveolus	Hyperplasia	Marked
		Lactation	Moderate
[Adenocarcinoma TGLS = 1-6A] [Fibroadenoma TGLS = 2-15]			
* Ovary		Atrophy	Marked
		Cyst	
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 180

TRT#: 3

SEX: Female

DAY ON TEST: 634

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300180

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 10-1]

* Skin

Note: TGL 1 - noted grossly as Skin is Mammary Gland

* Spleen

Hematopoietic Cell Proliferation

Mild

[Hematopoietic Cell Proliferation TGLS = 3-9]

* Thymus

Cyst

Note: TGL 8 - NCL

* Uterus

Hyperplasia

Atypical, Focal, Minimal

PRIMARY CAUSE OF DEATH - Liver Centrilobular Necrosis

Animal Note: TGL 2 - noted grossly as Lymph Node, axillary is Mammary Gland

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 181

TRT#: 5

SEX: Female

DAY ON TEST: 634

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300181

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	* Kidney
* Lung	* Lymph Node, Mesenteric	* Oviduct	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 2-1]		Degeneration	Cystic, Marked
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Mild
* Lung Note: TGL 4 - NCL			
* Lymph Node, Mandibular [Infiltration Cellular TGLS = 1-4]		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Moderate
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
		Cyst	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	
[Polyp Stromal TGLS = 3-2]			
* Vagina	Mucocyte	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 181

TRT#: 5

SEX: Female

DAY ON TEST: 634

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300181

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 185

TRT#: 6

SEX: Female

DAY ON TEST: 639

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* 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	* Lung
* Lymph Node, Mesenteric	* Oviduct	* Pancreas	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 2-1]		Degeneration	Cystic, Moderate
* Brain, Brain Stem [Compression TGLS = 3-3]		Carcinoma Compression	Metastatic (Pituitary Gland) Marked
* Liver	Bile Duct	Hyperplasia	Mild
* Lymph Node, Mandibular [Infiltration Cellular TGLS = 1-4]		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia Lactation	Minimal Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
* Parathyroid Gland Note: No recut attempt per pathologist (Tissue thin in block, parathyroid probably cut away)			
* Pituitary Gland [Carcinoma TGLS = 4-1]	Pars Distalis	Carcinoma	
* Skin [Inflammation TGLS = 5-6A]		Inflammation	Moderate
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 185

TRT#: 6

SEX: Female

DAY ON TEST: 639

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300185

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Vagina

Inflammation

Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 186

TRT#: 6

SEX: Female

DAY ON TEST: 641

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300186

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, Mesenteric	* Nose
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 3-1]		Degeneration	Cystic, Moderate
* Brain, Brain Stem [Compression TGLS = 6-3]		Compression	Mild
* Clitoral Gland		Inflammation	Minimal
* Kidney		Cyst	
* Liver	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Minimal
* Mammary Gland [Fibroadenoma TGLS = 1-6B]	Alveolus	Fibroadenoma	
		Hyperplasia	Mild
		Lactation	Mild
* Ovary		Atrophy	Moderate
		Cyst	
* Pancreas		Lipomatosis	Mild
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Skin [Inflammation TGLS = 4-6A]		Inflammation	Marked
* Thymus		Cyst	
* Uterus		Metaplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 186	TRT#: 6	SEX: Female	DAY ON TEST: 641
	DOSE: F1/10PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300186

ORGAN AND ACCOUNTABLE SITE STATUS

		Polyp Stromal	
[Polyp Stromal TGLS = 2-2]			
* Vagina	Mucocyte	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 188

TRT#: 1

SEX: Female

DAY ON TEST: 645

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Brain Stem	* 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
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Marked
[Degeneration TGLS = 3-1]			
* Brain, Cerebellum		Hydrocephalus	Mild
* Brain, Cerebrum		Granular Cell Tumor Benign	
[Granular Cell Tumor Benign TGLS = 4-3]			
* Clitoral Gland		Inflammation	Mild
[Inflammation TGLS = 1-2A]			
* Kidney		Mineralization	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Minimal
* Pituitary Gland	Pars Intermed	Cyst	
* Stomach, Forestomach		Hyperplasia	Mild
[Hyperplasia TGLS = 5-7B]		Inflammation	Mild
[Inflammation TGLS = 5-7B]			
* Thymus		Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Adenoma	
[Adenoma TGLS = 2-2]			
* Vagina		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 188

TRT#: 1

SEX: Female

DAY ON TEST: 645

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300188

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Brain, Cerebrum Granular Cell Tumor Benign

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 189

TRT#: 7

SEX: Female

DAY ON TEST: 645

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300189

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	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Clitoral Gland		Atrophy	Moderate
	Duct	Dilatation	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 3-4]			
* Lymph Node, Mesenteric		Degeneration	Cystic, Mild
[Degeneration TGLS = 2-8]			
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-6A]			
* Ovary		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Intermed	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Skin		Sarcoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 189	TRT#: 7	SEX: Female	DAY ON TEST: 645
	DOSE: F1/50PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300189

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Sarcoma is adjacent to Mammary-Fibroadenoma on slide 6A.

* Thymus

Note: Recut / Wet tissue attempted

* Uterus	Endometrium	Hyperplasia	Mild
	Endometrium	Hyperplasia	Cystic, Mild
* Vagina	Mucocyte	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma;Skin Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 190

TRT#: 2

SEX: Female

DAY ON TEST: 644

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300190

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
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Vagina		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hypertrophy	Mild
* Kidney		Mineralization	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
Note: TGL 4 - NCL			
* Lung			
Note: TGL 5 - NCL			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-6A+6B]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Intermed	Cyst	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Cyst	
* Uterus		Hemorrhage	Mild
	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 190

TRT#: 2

SEX: Female

DAY ON TEST: 644

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300190

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 3-2]

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 191

TRT#: 3

SEX: Female

DAY ON TEST: 645

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300191

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	* Lung	* Lymph Node, Mesenteric
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Atrophy Degeneration	Moderate Cystic, Moderate
[Atrophy TGLS = 3-1]			
[Degeneration TGLS = 4-1]			
* Eye	Bilateral, Retina	Degeneration	Mild
* Kidney		Cyst Nephropathy	Minimal
[Cyst TGLS = 6-11]			
* Liver		Inflammation	Chronic Active, Mild
* Lymph Node, Mandibular		Hyperplasia Infiltration Cellular	Lymphoid, Mild Plasma Cell, Mild
* Mammary Gland		Atypical Focus Fibroadenoma	Minimal
[Fibroadenoma TGLS = 1-6A]	Alveolus	Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 5-15]			
* Ovary		Atrophy Cyst	Moderate
[Cyst TGLS = 2-2B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 191	TRT#: 3	SEX: Female	DAY ON TEST: 645
	DOSE: F1 10 PPB	DISP: Moribund Sacrifice	HISTO: 021380300191

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Mild
* Vagina		Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

Animal Note: TGL 5 - noted grossly as Bone, mandible is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 194

TRT#: 2

SEX: Female

DAY ON TEST: 643

DOSE: F1 2PPB

DISP: Natural Death

HISTO: 021380300194

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	* Liver
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Oviduct	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Vagina			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Clitoral Gland		Atrophy	Mild
	Duct	Dilatation	Mild
		Inflammation	Minimal
[Dilatation TGLS = 2-2A]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
* Ovary		Atrophy	Mild
* Skin		Inflammation	Marked
[Inflammation TGLS = 1-6A]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

- Skin Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 195

TRT#: 4

SEX: Female

DAY ON TEST: 646

DOSE: F1 50 PPB

DISP: Moribund Sacrifice

HISTO: 021380300195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* 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	* Kidney
* Liver	* Lung	* Lymph Node, Mesenteric	* Nose
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 4-1]		Degeneration	Cystic, Moderate
* Brain, Brain Stem [Compression TGLS = 6-3]		Compression	Moderate
* Brain, Cerebrum		Hydrocephalus	Mild
* Clitoral Gland [Inflammation TGLS = 3-2A]		Inflammation	Moderate
* Harderian Gland		Inflammation	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Minimal
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Lactation TGLS = 2-6A]			
* Ovary		Atrophy	Moderate
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Skin [Inflammation TGLS = 1-6B]		Inflammation	Mild
* Spleen		Pigmentation	Moderate
* Thymus		Cyst	
* Uterus		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 195

TRT#: 4

SEX: Female

DAY ON TEST: 646

DOSE: F1 50 PPB

DISP: Moribund Sacrifice

HISTO: 021380300195

ORGAN AND ACCOUNTABLE SITE STATUS

* Vagina

Mucocyte

Hyperplasia
Inflammation

Mild
Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 196

TRT#: 6

SEX: Female

DAY ON TEST: 646

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300196

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, Mesenteric
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus	* Vagina	

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 2-1]		Degeneration	Cystic, Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Minimal
		Lactation	Mild
Note: TGL 1 - noted grossly as Mammary Gland is Skin			
* Nose	Nasolacrim Dct	Inflammation	Mild
Note: Keratin cyst observed in the nasal turbinates is recorded as Keratin cyst, Oral Mucosa.			
Oral Mucosa		Keratin Cyst	
Note: Located on slide 14 with the routine section of nasal turbinates.			
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Skin		Basal Cell Carcinoma	
[Basal Cell Carcinoma TGLS = 1-6A]			
* Thymus		Cyst	

PRIMARY CAUSE OF DEATH - Skin Basal Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:45
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 202

TRT#: 1

SEX: Female

DAY ON TEST: 649

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300202

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	* Liver	* Lung
* Nose	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Clitoral Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland	Duct	Dilatation	Mild
	Alveolus	Fibroadenoma	
	[Fibroadenoma TGLS = 1-6A]	Hyperplasia	Mild
* Ovary		Atrophy	Mild
	Corpus Luteum	Cyst	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-1]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Cyst	
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 203

TRT#: 4

SEX: Female

DAY ON TEST: 650

DOSE: F1 50 PPB

DISP: Moribund Sacrifice

HISTO: 021380300203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mesenteric
* Nose	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 6-1]		Degeneration	Cystic, Mild
* Brain, Brain Stem [Compression TGLS = 5-3]		Carcinoma Compression	Metastatic (Pituitary Gland) Moderate
* Brain, Cerebrum		Hydrocephalus	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Granular Cell Tumor Malignant	Metastatic (Vagina)
* Islets, Pancreatic [Adenoma TGLS = 8-15A]		Adenoma	
* Kidney		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
Lymph Node	Deep Cervical	Hyperplasia	Lymphoid, Mild
	Deep Cervical	Infiltration Cellular	Plasma Cell, Mild
Note: TGL 8 - noted grossly as Lymph Node, pancreatic is Islets Pancreas [Hyperplasia TGLS = 7-15] [Infiltration Cellular TGLS = 7-15]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Moderate
		Lactation	Mild
[Fibroadenoma TGLS = 3-6A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 203	TRT#: 4	SEX: Female	DAY ON TEST: 650
	DOSE: F1 50 PPB	DISP: Moribund Sacrifice	HISTO: 021380300203

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Moderate
		Cyst	
		Hyperplasia	Sertoliform, Minimal
[Cyst TGLS = 1-2B]			
* Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLS = 4-1]			
* Spleen		Pigmentation	Moderate
* Thymus		Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Metaplasia	Squamous, Minimal
[Hyperplasia TGLS = 2-2]			
* Vagina		Granular Cell Tumor Malignant	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 207

TRT#: 4

SEX: Female

DAY ON TEST: 653

DOSE: F1 50 PPB

DISP: Moribund Sacrifice

HISTO: 021380300207

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	* Lung
* Lymph Node, Mesenteric	* Nose	* Oviduct	* Pancreas
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Vagina			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 5-1]		Degeneration	Cystic, Moderate
* Clitoral Gland [Adenoma TGLS = 1-2A]		Adenoma	
* Liver Note: TGL 3 - NST		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland [Fibroadenoma TGLS = 2-6A]	Alveolus	Fibroadenoma Hyperplasia	Minimal
* Ovary		Atrophy Cyst	Marked
* Parathyroid Gland Note: Recut / Wet tissue attempted			
* Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Adenoma	
* Skin [Inflammation TGLS = 4-6B]		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 207

TRT#: 4

SEX: Female

DAY ON TEST: 653

DOSE: F1 50 PPB

DISP: Moribund Sacrifice

HISTO: 021380300207

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Metaplasia

Squamous, Mild

Polyp Stromal

[Polyp Stromal TGLS = 7-2]

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 208

TRT#: 7

SEX: Female

DAY ON TEST: 652

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300208

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	* Liver
* Lung	* Lymph Node, Mesenteric	* Oviduct	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Vagina			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Clitoral Gland		Inflammation	Minimal
Lymph Node	Renal	Degeneration	Cystic, Moderate
	Lumbar	Hyperplasia	Lymphoid, Mild
	Renal	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 3-15]			
[Hyperplasia TGLS = 3-15]			
[Hyperplasia TGLS = 4-15A]			
[Infiltration Cellular TGLS = 4-15A]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Minimal
		Lactation	Minimal
[Fibroadenoma TGLS = 1-6A]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Skin		Inflammation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 208	TRT#: 7	SEX: Female	DAY ON TEST: 652
	DOSE: F1/50PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300208

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 6-6B]

* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Hyperplasia	Atypical, Focal, Minimal

[Hyperplasia TGLS = 2-2]

PRIMARY CAUSE OF DEATH	- Mammary Gland	Fibroadenoma
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 209

TRT#: 2

SEX: Female

DAY ON TEST: 652

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300209

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	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Vagina		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Clitoral Gland		Inflammation	Mild
* Liver	Right Lat Lobe	Developmental Malformation	
	[Developmental Malformation TGLS = 3-9]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,2-6A+6B]	Lactation	Minimal
* Ovary		Atrophy	Moderate
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Intermed	Cyst	
	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 4-1]		
* Thymus		Cyst	
* Uterus		Hyperplasia	Atypical, Focal, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 210

TRT#: 1

SEX: Female

DAY ON TEST: 653

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300210

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	* Liver
* Lung	* Lymph Node, Mesenteric	* Oviduct	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
[Degeneration TGLS = 5-1]			
* Clitoral Gland		Inflammation	Mild
Lymph Node	Inguinal	Hyperplasia	Lymphoid, Marked
		Hyperplasia	Lymphoid, Marked
[Hyperplasia TGLS = 8-15A]			
[Hyperplasia TGLS = 6-15]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2,3-6A+6B]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Moderate
		Hyperplasia	Sertoliform, Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Parathyroid GI			
Note: Recut attempted			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 210	TRT#: 1	SEX: Female	DAY ON TEST: 653
	DOSE: F1 0PPB	DISP: Moribund Sacrifice	HISTO: 021380300210

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 9-1]	Pars Distalis	Adenoma	
* Skin [Inflammation TGLS = 7-6C]		Inflammation	Moderate
* Thymus		Cyst	
* Uterus [Hyperplasia TGLS = 4-2]	Endometrium	Hyperplasia Hyperplasia	Cystic, Moderate Atypical, Focal, Minimal
* Vagina	Mucocyte	Hyperplasia Inflammation	Moderate Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 212

TRT#: 4

SEX: Female

DAY ON TEST: 654

DOSE: F1 50 PPB

DISP: Natural Death

HISTO: 021380300212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* 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
* Lung	* Lymph Node, Mesenteric	* Oviduct	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 3-3]			
* Brain, Cerebrum		Hydrocephalus	Minimal
* Clitoral Gland		Adenoma	
* Kidney		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland	Alveolus	Hyperplasia	Minimal
		Lactation	Minimal
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Moderate
		Cyst	
[Cyst TGLS = 1-2B]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Spleen		Pigmentation	Mild
* Thymus		Cyst	
* Uterus		Hyperplasia	Atypical, Focal, Moderate
		Metaplasia	Squamous, Mild
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:46

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 213

TRT#: 3

DOSE: F1 10 PPB

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 657

HISTO: 021380300213

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 | * Liver | * Lung | * Lymph Node, Mesenteric |
| * Nose | * Oviduct | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------|-----------------------|
| * Adrenal Cortex
[Degeneration TGLS = 3-1] | | Degeneration | Cystic, Moderate |
| * Brain, Brain Stem
[Compression TGLS = 6-3] | | Compression | Moderate |
| * Clitoral Gland | | Inflammation | Mild |
| * Harderian GI
Note: TGL 4 - NCL | | | |
| * Kidney | | Mineralization | Moderate |
| | | Nephropathy | Minimal |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Moderate |
| * Mammary Gland | | Atypical Focus | Mild |
| | Alveolus | Fibroadenoma | |
| | | Hyperplasia | Mild |
| | | Lactation | Mild |
| | | | |
| * Nose
Note: Keratin cyst observed in the nasal turbinates is recorded as Keratin cyst, Oral Mucosa.
Oral Mucosa
Note: Located on slide 14 with the routine section of nasal turbinates. | | Keratin Cyst | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 213	TRT#: 3	SEX: Female	DAY ON TEST: 657
	DOSE: F1 10 PPB	DISP: Moribund Sacrifice	HISTO: 021380300213

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Mild
		Cyst	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Uterus		Hyperplasia	Atypical, Focal, Minimal
* Vagina	Mucocyte	Hyperplasia	Marked
		Inflammation	Mild

PRIMARY CAUSE OF DEATH	-
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Fibroadenoma;Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 216

TRT#: 4

SEX: Female

DAY ON TEST: 658

DOSE: F1 50 PPB

DISP: Natural Death

HISTO: 021380300216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland	* Esophagus
* Harderian Gland	* Heart	* Intestine Large, Rectum	* Liver
* Lung	* Lymph Node, Mesenteric	* Nose	* Oviduct
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Uterus
* Vagina			

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 3-1]		Degeneration	Cystic, Moderate
* Brain, Brain Stem [Compression TGLS = 6-3]		Compression	Moderate
* Eye [Cataract TGLS = 4-12]	Bilateral	Cataract	
* Kidney		Mineralization	Mild
* Lymph Node, Mandibular [Infiltration Cellular TGLS = 1-4]		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland [Fibroadenoma TGLS = 2-6A]		Fibroadenoma	
* Ovary		Atrophy	Marked
* Parathyroid Gland Note: Recut attempted			
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:46

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 216

TRT#: 4

SEX: Female

DAY ON TEST: 658

DOSE: F1 50 PPB

DISP: Natural Death

HISTO: 021380300216

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 220

TRT#: 5

SEX: Female

DAY ON TEST: 661

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300220

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, Mesenteric	* Oviduct	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
[Degeneration TGLS = 3-1]			
* Brain, Brain Stem		Compression	Moderate
Note: Wet tissue requested for TGL 5 on slide 3A			
[Compression TGLS = 5-3A]			
* Harderian Gland		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
* Lung		Inflammation	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
[Hyperplasia TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland		Adenocarcinoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Adenocarcinoma TGLS = 2-6A]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 220	TRT#: 5	SEX: Female	DAY ON TEST: 661
	DOSE: F1/2PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300220

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 4-1]	Pars Distalis	Adenoma	
* Skin Note: TGL 2 - noted grossly as Skin is Mammary Gland			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Cyst	
* Vagina		Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 221

TRT#: 7

SEX: Female

DAY ON TEST: 653

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300221

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	* Liver	* Lung	* Lymph Node, Mesenteric
* Nose	* Oviduct	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Minimal
* Kidney		Mineralization	Mild
* Lymph Node, Mandibular		Hemorrhage	Mild
[Hemorrhage TGLS = 2-4]			
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
[Fibroadenoma TGLS = 1-6A]			
* Nose			
Note: Keratin cyst observed in the nasal turbinates is recorded as Keratin cyst, Oral Mucosa.			
Oral Mucosa		Keratin Cyst	
Note: TGL 3 is also located on slide 14 with the routine section of nasal turbinates.			
[Keratin Cyst TGLS = 3-15+14]			
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Degeneration	Moderate
* Spleen		Pigmentation	Mild
* Stomach, Forestomach		Inflammation	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Mild
* Vagina	Mucocyte	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 221

TRT#: 7

SEX: Female

DAY ON TEST: 653

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300221

ORGAN AND ACCOUNTABLE SITE STATUS

Inflammation

Mild

PRIMARY CAUSE OF DEATH

- Oral Mucosa Keratin Cyst

Animal Note: TGL 3 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 222

TRT#: 7

SEX: Female

DAY ON TEST: 665

DOSE: F1/50PPB TO CTL

DISP: Natural Death

HISTO: 021380300222

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	* Liver
* Lung	* Lymph Node, Mesenteric	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

AUTO PRECLUDES DIAG.

* Eye	* Urinary Bladder
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 3-3]			
* Clitoral Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Lactation	Mild
[Fibroadenoma TGLS = 1-6A]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Spleen		Pigmentation	Mild
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 222

TRT#: 7

SEX: Female

DAY ON TEST: 665

DOSE: F1/50PPB TO CTL

DISP: Natural Death

HISTO: 021380300222

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 4-2]

* Vagina

Mucocyte

Hyperplasia
Inflammation

Mild
Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 223

TRT#: 4

SEX: Female

DAY ON TEST: 666

DOSE: F1 50 PPB

DISP: Moribund Sacrifice

HISTO: 021380300223

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	* Liver	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 2-3]			
* Clitoral Gland	Duct	Dilatation	Moderate
		Inflammation	Mild
[Dilatation TGLS = 1-2A]			
* Kidney		Mineralization	Mild
* Lung			
Note: TGL 6 - NCL			
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Pigmentation	Moderate
[Hemorrhage TGLS = 5-15]			
[Pigmentation TGLS = 5-15]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
		Cyst	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Skin		Inflammation	Mild
[Inflammation TGLS = 4-6A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 223	TRT#: 4	SEX: Female	DAY ON TEST: 666
	DOSE: F1 50 PPB	DISP: Moribund Sacrifice	HISTO: 021380300223

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Moderate
* Stomach, Forestomach		Edema	Moderate
* Thymus		Cyst	
* Vagina	Mucocyte	Hyperplasia	Mild
		Inflammation	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 224

TRT#: 4

SEX: Female

DAY ON TEST: 666

DOSE: F1 50 PPB

DISP: Moribund Sacrifice

HISTO: 021380300224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* 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	* Liver	* Lymph Node, Mesenteric
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy Compression	Cystic, Mild Moderate Moderate
* Brain, Brain Stem [Compression TGLS = 3-3]			
* Kidney		Mineralization Nephropathy Infiltration Cellular	Minimal Minimal Histiocyte, Minimal
* Lung [Infiltration Cellular TGLS = 5-10A]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland	Alveolus	Hyperplasia Lactation	Mild Moderate
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary [Cyst TGLS = 1-2B]		Atrophy Cyst	Marked
* Pituitary Gland [Adenoma TGLS = 2-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Mild
* Stomach, Forestomach		Edema	Moderate
* Uterus	Endometrium	Hyperplasia Hyperplasia	Cystic, Mild Atypical, Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 224

TRT#: 4

SEX: Female

DAY ON TEST: 666

DOSE: F1 50 PPB

DISP: Moribund Sacrifice

HISTO: 021380300224

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 4-2]

Metaplasia

Squamous, Mild

* Vagina

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 225

TRT#: 3

SEX: Female

DAY ON TEST: 666

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* 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	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy	Cystic, Mild Mild
[Degeneration TGLS = 3-1]			
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 6-3]			
* Brain, Cerebrum		Hydrocephalus	Mild
* Harderian GI			
Note: TGL 4 - NCL			
* Kidney		Mineralization Nephropathy	Minimal Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Hyperplasia Infiltration Cellular	Lymphoid, Mild Plasma Cell, Moderate
[Infiltration Cellular TGLS = 5-4]			
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
	Lobules	Hyperplasia Lactation	Mild Mild
[Fibroadenoma TGLS = 2-6C]			
[Hyperplasia TGLS = 1-6B]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 225	TRT#: 3	SEX: Female	DAY ON TEST: 666
	DOSE: F1 10 PPB	DISP: Moribund Sacrifice	HISTO: 021380300225

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 9-2B]			
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Skin		Inflammation	Marked
Note: TGL 2 - noted grossly as Skin is Mammary Gland			
Note: TGL 1 - noted grossly as Skin is Mammary Gland			
[Inflammation TGLS = 8-6A]			
* Spleen		Pigmentation	Mild
* Stomach, Forestomach		Edema	Mild
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
* Vagina	Mucocyte	Hyperplasia	Mild
		Inflammation	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 227

TRT#: 2

SEX: Female

DAY ON TEST: 667

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300227

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	* Liver	* Lung	* Lymph Node, Mesenteric
* Oviduct	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Mild
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Lactation	Minimal
[Fibroadenoma TGLS = 1,2,3-6A+6B+6C]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Minimal
	Corpus Luteum	Cyst	
* Skin		Inflammation	Moderate
[Inflammation TGLS = 4-6D]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus		Hyperplasia	Atypical, Focal, Mild
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 228

TRT#: 7

SEX: Female

DAY ON TEST: 667

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300228

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
* Oviduct	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

INSUFFICIENT TISSUE

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Minimal
	[Inflammation TGLS = 6-2A]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
* Liver		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
	[Vacuolization Cytoplasmic TGLS = 7-9]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Minimal
		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Mild
	[Fibroadenoma TGLS = 1,2,3,4,5-6A+6B+6C+6D+6E]		
* Ovary		Atrophy	Minimal
		Cyst	
* Pancreas	Acinar Cell	Degeneration	Minimal
* Parathyroid Gl			
	Note: Recut attempted		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 228

TRT#: 7

SEX: Female

DAY ON TEST: 667

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300228

ORGAN AND ACCOUNTABLE SITE STATUS

* Vagina

Mucocyte

Hyperplasia

Moderate

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 229

TRT#: 2

SEX: Female

DAY ON TEST: 667

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300229

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
* Liver	* Lung	* Lymph Node, Mesenteric	* Oviduct
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
[Degeneration TGLS = 1-1]			
* Brain, Brain Stem		Compression	Moderate
		Hemorrhage	Mild
[Compression TGLS = 6-3]			
* Clitoral Gland		Inflammation	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney	Bilateral, Renal Tubule	Carcinoma	
		Cyst	
		Mineralization	Mild
[Carcinoma TGLS = 2,8-11+11A]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 4-4]			
* Mammary Gland		Atypical Focus	Minimal
	Alveolus	Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Mild
* Pancreas		Inflammation	Chronic, Minimal
* Parathyroid Gland		Carcinoma	Metastatic (Thyroid Gland)
Note: TGL 5 - noted grossly as Parathyroid Gland is Thyroid Gland			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 229	TRT#: 2	SEX: Female	DAY ON TEST: 667
	DOSE: F1 2PPB	DISP: Moribund Sacrifice	HISTO: 021380300229

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Mild
* Stomach, Forestomach		Inflammation	Moderate
* Thyroid Gland	Bilateral, C Cell	Carcinoma	
[Carcinoma TGLS = 5-5]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 3-2]		Hyperplasia	Atypical, Focal, Mild
* Vagina	Mucocyte	Hyperplasia	Mild
		Inflammation	Mild

PRIMARY CAUSE OF DEATH - Kidney Bilateral Renal Tubule Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 230

TRT#: 1

SEX: Female

DAY ON TEST: 669

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300230

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, Mesenteric	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Clitoral Gland		Inflammation	Mild
[Inflammation TGLS = 2-2A]			
* Eye			
Note: TGL 5 - NCL			
* Kidney		Mineralization	Mild
* Liver		Vacuolization Cytoplasmic	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
[Fibroadenoma TGLS = 3-6B]			
* Nose	Olfactory Epi	Hyaline Droplet	Minimal
	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Mild
		Cyst	
[Cyst TGLS = 4-2B]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Inflammation	Marked
[Inflammation TGLS = 1-6A]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 230

TRT#: 1
DOSE: F1 0PPB

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 669
HISTO: 021380300230

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Vagina

Mucocyte

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

- Skin Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 231

TRT#: 1

SEX: Female

DAY ON TEST: 668

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300231

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	* Liver	* Lung
* Lymph Node, Mesenteric	* Nose	* Oviduct	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 3-1]		Degeneration	Cystic, Moderate
* Clitoral Gland [Dilatation TGLS = 5-2A]	Duct	Dilatation Inflammation	Mild Minimal
* Harderian Gland Note: TGL 4 - NCL			
* Kidney		Cyst Mineralization	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland [Fibroadenoma TGLS = 2-6B]	Alveolus	Fibroadenoma Hyperplasia	Mild
* Ovary		Atrophy	Mild
* Skin [Inflammation TGLS = 1-6A]		Inflammation	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland Ureter Note: TGL 6 - NCL	Follicular Cel	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 231	TRT#: 1	SEX: Female	DAY ON TEST: 668
	DOSE: F1 0PPB	DISP: Moribund Sacrifice	HISTO: 021380300231

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 6 - NCL			
* Vagina	Mucocyte	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 232

TRT#: 6

SEX: Female

DAY ON TEST: 668

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300232

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	* Oviduct	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Kidney		Cyst	
		Mineralization	Mild
* Liver		Degeneration	Cystic, Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
	[Fibroadenoma TGLS = 1-6A]		
* Nose	Nasolacrim Dct	Inflammation	Mild
Oral Mucosa		Keratin Cyst	
	[Keratin Cyst TGLS = 3-15]		
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gl			
Note: TGL 4 - NCL			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus			
Note: Recut attempted			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 232	TRT#: 6	SEX: Female	DAY ON TEST: 668
	DOSE: F1/10PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300232

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus [Polyp Stromal TGLS = 2-2C]		Polyp Stromal	
* Vagina	Mucocyte	Hyperplasia Inflammation	Moderate Mild

PRIMARY CAUSE OF DEATH -
CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Fibroadenoma;Oral Mucosa Keratin Cyst

Animal Note: TGL 3 - noted grossly as Bone, mandible is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 235

TRT#: 5

SEX: Female

DAY ON TEST: 666

DOSE: F1/2PPB TO CTL

DISP: Natural Death

HISTO: 021380300235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mesenteric	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Uterus

MISSING

* Thymus

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum	* Urinary Bladder
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 1-3]			
* Kidney		Mineralization	Moderate
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Skin		Inflammation	Moderate
[Inflammation TGLS = 3-6A]			
* Spleen		Pigmentation	Minimal
* Thymus			
Note: Recut / Wet tissue attempted			
* Vagina	Mucocyte	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 235

TRT#: 5

SEX: Female

DAY ON TEST: 666

DOSE: F1/2PPB TO CTL

DISP: Natural Death

HISTO: 021380300235

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 236

TRT#: 4

SEX: Female

DAY ON TEST: 670

DOSE: F1 50 PPB

DISP: Moribund Sacrifice

HISTO: 021380300236

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, Mesenteric	* Mammary Gland
* Oviduct	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Moderate
	[Angiectasis TGLS = 1-1]		
* Clitoral Gland		Inflammation	Mild
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
	Note: Wet tissue requested for TGL 2 on slide 9A		
	[Hepatodiaphragmatic Nodule TGLS = 2-9A]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lym Node Mesen			
	Note: TGL 3 - NCL		
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Mild
		Inflammation	Suppurative, Mild
* Nose	Olfactory Epi	Hyaline Droplet	Minimal
	Nasolacrim Dct	Inflammation	Minimal
	Note: Squamous cell carcinoma observed in the nasal turbinates is recorded as Squamous cell carcinoma, Oral Mucosa.		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 236	TRT#: 4	SEX: Female	DAY ON TEST: 670
	DOSE: F1 50 PPB	DISP: Moribund Sacrifice	HISTO: 021380300236

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa		Squamous Cell Carcinoma	
Note: Also located on slide 14 with the routine section of the nasal turbinates. [Squamous Cell Carcinoma TGLS = 4-14A]			
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Thymus			
Note: Wet tissue attempted			
* Thyroid Gland		Inflammation	Chronic, Minimal
* Vagina	Mucocyte	Hyperplasia	Minimal
		Inflammation	Mild

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

Animal Note: TGL 4 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 237

TRT#: 5

SEX: Female

DAY ON TEST: 670

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300237

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	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Mild
Note: TGL 2 - noted grossly as Clitoral Gland is Mammary Gland			
* Eye		Squamous Cell Carcinoma	Deep Invasion
	[Squamous Cell Carcinoma TGLS = 6-12]		
* Kidney		Mineralization	Mild
* Liver		Cyst Multilocular	
		Vacuolization Cytoplasmic	Mild
Note: TGL 5 - NCL			
	[Cyst Multilocular TGLS = 4-9]		
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Moderate
	[Degeneration TGLS = 1-4]		
	[Infiltration Cellular TGLS = 1-4]		
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 2,3-2A+6A]		
* Nose	Nasolacrim Dct	Inflammation	Mild
Oral Mucosa		Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 237	TRT#: 5	SEX: Female	DAY ON TEST: 670
	DOSE: F1/2PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300237

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Carcinoma TGLS = 7-14]

* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus			
Note: Wet tissue attempted			
* Vagina	Mucocyte	Hyperplasia	Mild
		Inflammation	Moderate

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

Animal Note: TGL 7 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 238

TRT#: 3

SEX: Female

DAY ON TEST: 673

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300238

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
* Liver	* Lung	* Lymph Node, Mesenteric	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 4-3]			
* Clitoral Gland		Inflammation	Marked
[Inflammation TGLS = 1-2A]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Atypical Focus	Minimal
	Alveolus	Hyperplasia	Minimal
		Lactation	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Spleen		Pigmentation	Mild
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Hyperplasia	Atypical, Focal, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 238	TRT#: 3	SEX: Female	DAY ON TEST: 673
	DOSE: F1 10 PPB	DISP: Moribund Sacrifice	HISTO: 021380300238

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-2]			
* Vagina	Mucocyte	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 239

TRT#: 5

SEX: Female

DAY ON TEST: 673

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300239

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	* Oviduct
* Pancreas	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 4-1]		Degeneration	Cystic, Marked
* Clitoral Gland [Inflammation TGLS = 1-2A]		Inflammation	Moderate
* Eye Note: TGL 9 - NCL			
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Mineralization	Mild
* Liver [Vacuolization Cytoplasmic TGLS = 3-9]		Vacuolization Cytoplasmic	Minimal
* Lung [Infiltration Cellular TGLS = 5-10+10A]		Infiltration Cellular	Histiocyte, Mild
Lymph Node [Degeneration TGLS = 7-15]	Lumbar	Degeneration	Cystic, Moderate
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
		Inflammation	Suppurative, Mild
* Nose		Inflammation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 239	TRT#: 5	SEX: Female	DAY ON TEST: 673
	DOSE: F1/2PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300239

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Squamous cell carcinoma observed in the nasal turbinates is recorded as Squamous cell carcinoma, Oral Mucosa.

Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 8-14]			
* Ovary		Atrophy Cyst	Marked
* Parathyroid Gland			
Note: Recut attempted			
* Pituitary Gland	Pars Intermed	Cyst	
* Skin		Inflammation	Moderate
[Inflammation TGLS = 6-6A]			
* Spleen		Pigmentation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 2-2]			
* Vagina		Inflammation	Mild

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

Animal Note: TGL 8 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 240

TRT#: 1

SEX: Female

DAY ON TEST: 672

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300240

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	* Oviduct	* Pancreas	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Clitoral Gland		Inflammation	Moderate
[Inflammation TGLS = 2-2A]			
* Kidney		Mineralization	Mild
* Liver		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Moderate
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-6A]			
Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 3-15]			
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Salivary Glands		Inflammation	Chronic, Moderate
* Skin			
Note: TGL 1 - noted grossly as Skin is Mammary Gland			
* Spleen		Pigmentation	Mild
* Vagina		Inflammation	Mild

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

Animal Note: TGL 3 - noted grossly as Bone, mandible is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 241	TRT#: 1	SEX: Female	DAY ON TEST: 675
	DOSE: F1 0PPB	DISP: Moribund Sacrifice	HISTO: 021380300241

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, Mesenteric	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Mild
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 7-3]			
* Clitoral Gland		Inflammation	Mild
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Mineralization	Minimal
[Cyst TGLS = 5-11]			
* Liver	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Minimal
* Lung		Inflammation	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 4-4]			
* Mammary Gland	Alveolus	Adenocarcinoma	Multiple
		Hyperplasia	Moderate
		Lactation	Moderate
[Adenocarcinoma TGLS = 2,3-6B+6C]			
* Nose	Nasolacrim Dct	Inflammation	Mild

Note: Squamous cell carcinoma observed in the nasal turbinates is recorded as Squamous cell carcinoma, Oral Mucosa.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 241	TRT#: 1	SEX: Female	DAY ON TEST: 675
	DOSE: F1 0PPB	DISP: Moribund Sacrifice	HISTO: 021380300241

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa [Squamous Cell Carcinoma TGLS = 8-14]		Squamous Cell Carcinoma	
* Ovary		Atrophy	Mild
* Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Adenoma	
* Skin [Inflammation TGLS = 1-6A]		Inflammation	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Cyst	
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Adenocarcinoma

Animal Note: TGL 8 - noted grossly as Bone, mandible is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 244

TRT#: 3

SEX: Female

DAY ON TEST: 675

DOSE: F1 10 PPB

DISP: Natural Death

HISTO: 021380300244

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	* Liver	* Lymph Node, Mesenteric	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 1-1]		Degeneration	Cystic, Mild
* Brain, Brain Stem [Compression TGLS = 5-3]		Compression	Mild
* Clitoral Gland		Inflammation	Marked
* Kidney		Mineralization	Mild
* Liver Note: TGL 4 - NCL			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular [Infiltration Cellular TGLS = 3-4]		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Galactocele	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
* Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Adenoma	
* Spleen Note: TGL 2 - NCL		Pigmentation	Mild
* Vagina	Mucocyte	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 244	TRT#: 3	SEX: Female	DAY ON TEST: 675
	DOSE: F1 10 PPB	DISP: Natural Death	HISTO: 021380300244

ORGAN AND ACCOUNTABLE SITE STATUS

	Inflammation	Mild
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PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 245

TRT#: 6

SEX: Female

DAY ON TEST: 674

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300245

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, Mesenteric	* Oviduct	* Pancreas
* Parathyroid Gland	Peripheral Nerve	* Salivary Glands	Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

AUTO PRECLUDES DIAG.

Spinal Cord

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 4-1]		Degeneration	Cystic, Moderate
* Brain, Brain Stem Note: Portions of the pituitary adenoma are present in brain sections. This appears to be extension rather than invasion or metastasis. [Compression TGLS = 9-3]		Compression	Marked
* Clitoral Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney [Cyst TGLS = 6-11]		Cyst	
		Mineralization	Mild
		Nephropathy	Mild
* Liver Note: TGL 7 - NCL	Bile Duct	Degeneration	Cystic, Minimal
		Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular [Hyperplasia TGLS = 8-4] [Infiltration Cellular TGLS = 8-4]		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 245	TRT#: 6	SEX: Female	DAY ON TEST: 674
	DOSE: F1/10PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300245

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Atypical Focus	Minimal
		Galactocele	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Galactocele TGLS = 1,2-6A+6B]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
		Cyst	
[Cyst TGLS = 3-2B]			
Perph Nerve			
Note: Removal observations indicated posterior paralysis. Tissue processed per NTP SOW.			
Note: Tissue located on slide 15.			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 10-1]			
Skel Muscle			
Note: Removal observations indicated posterior paralysis. Tissue processed per NTP SOW.			
Note: Tissue located on slide 15.			
* Skin			
Note: TGL 1 - noted grossly as Skin is Mammary Gland			
Note: TGL 2 - noted grossly as Skin is Mammary Gland			
Spinal Cord			
Note: Tissue located on slide 15.			
Note: Removal observations indicated posterior paralysis. Tissue processed per NTP SOW.			
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 5-9]			
* Thyroid Gland	Follicle	Cyst	Mild
* Vagina		Inflammation	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 247

TRT#: 3

SEX: Female

DAY ON TEST: 676

DOSE: F1 10 PPB

DISP: Natural Death

HISTO: 021380300247

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
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mesenteric
* Nose	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

AUTO PRECLUDES DIAG.

* Eye	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 1-3]			
* Clitoral Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Mineralization	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Moderate
		Lactation	Mild
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Spleen		Pigmentation	Moderate
* Thymus		Cyst	
* Vagina	Mucocyte	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 248

TRT#: 5

SEX: Female

DAY ON TEST: 675

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300248

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
* Liver	* Lung	* Lymph Node, Mesenteric	* Nose
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Vagina

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Carcinoma	Metastatic (Pituitary Gland)
[Carcinoma TGLS = 3-3]			
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLS = 1-6A]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLS = 2-1]			
* Thymus			
Note: Recut / Wet tissue attempted			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 248

TRT#: 5

SEX: Female

DAY ON TEST: 675

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300248

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 250

TRT#: 2

SEX: Female

DAY ON TEST: 678

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300250

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
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Oviduct	* Pancreas	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 3-3]			
* Clitoral Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Mammary Gland		Atypical Focus	Marked
	Alveolus	Hyperplasia	Moderate
		Lactation	Mild
[Atypical Focus TGLS = 4-6B]			
* Nose		Foreign Body	
		Inflammation	Mild
* Ovary		Atrophy	Marked
* Parathyroid Gland		Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Skin		Inflammation	Moderate
Note: TGL 4 - noted grossly as Skin is Mammary Gland			
[Inflammation TGLS = 1-6A]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 250	TRT#: 2	SEX: Female	DAY ON TEST: 678
	DOSE: F1 2PPB	DISP: Moribund Sacrifice	HISTO: 021380300250

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus		Hyperplasia	Atypical, Focal, Mild
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 252

TRT#: 1

SEX: Female

DAY ON TEST: 679

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300252

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	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 3-3]			
* Clitoral Gland		Inflammation	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
[Cyst TGLS = 2-11]		Nephropathy	Mild
* Liver		Cyst Multilocular	
	Bile Duct	Hyperplasia	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
[Hyperplasia TGLS = 1-6A]		Lactation	Marked
[Lactation TGLS = 1-6A]			
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 252

TRT#: 1

SEX: Female

DAY ON TEST: 679

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300252

ORGAN AND ACCOUNTABLE SITE STATUS

* Vagina

Mucocyte

Hyperplasia
Inflammation

Minimal
Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 253

TRT#: 4

SEX: Female

DAY ON TEST: 680

DOSE: F1 50 PPB

DISP: Natural Death

HISTO: 021380300253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mesenteric	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Marked
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 3-3]			
* Brain, Cerebrum		Hydrocephalus	Mild
* Clitoral Gland		Inflammation	Moderate
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 2-4]			
[Infiltration Cellular TGLS = 2-4]			
* Mammary Gland		Atypical Focus	Mild
		Fibroadenoma	
Note: Atypical foci are present in both Fibroadenoma and standard Mammary section on slide 6.			
[Fibroadenoma TGLS = 1-6A]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Pigmentation	Mild
* Thymus		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 253

TRT#: 4

SEX: Female

DAY ON TEST: 680

DOSE: F1 50 PPB

DISP: Natural Death

HISTO: 021380300253

ORGAN AND ACCOUNTABLE SITE STATUS

* Vagina

Mucocyte

Hemorrhage

Moderate

Hyperplasia

Mild

Inflammation

Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
 CAS Number: 57-63-6

Date Report Requested: 10/23/2014
 Time Report Requested: 13:21:46
 First Dose M/F: NA / NA
 Lab: NCTR

ANIMAL ID: 254 TRT#: 1 SEX: Female DAY ON TEST: 679
 DOSE: F1 0PPB DISP: Moribund Sacrifice HISTO: 021380300254

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
* Kidney	* Liver	* Lung	* Lymph Node, Mesenteric
* Nose	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 4-3]			
* Clitoral Gland		Inflammation	Mild
* Harderian Gland		Hyperplasia	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Minimal
	Alveolus	Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-6A]		Lactation	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-15]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Spleen		Pigmentation	Minimal
* Thymus		Cyst	
* Thyroid Gland		Infiltration Cellular	Lymphocyte, Minimal
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 256

TRT#: 5

SEX: Female

DAY ON TEST: 683

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300256

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	* Liver	* Lung	* Lymph Node, Mesenteric
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 5-3]			
* Clitoral Gland		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-6A]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Marked
[Cyst TGLS = 2-2B]		Cyst	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Pigmentation	Minimal
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 3-2]			
* Vagina	Mucocyte	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 260

TRT#: 2

SEX: Female

DAY ON TEST: 684

DOSE: F1 2PPB

DISP: Natural Death

HISTO: 021380300260

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, Mesenteric	* Oviduct	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Vagina			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 6-3]			
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Mild
[Dilatation TGLS = 4-2A]			
[Inflammation TGLS = 4-2A]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Liver		Angiectasis	Minimal
	Bile Duct	Hyperplasia	Minimal
[Angiectasis TGLS = 5-9]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLS = 2-6A]			
[Hyperplasia TGLS = 3-6B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 260	TRT#: 2	SEX: Female	DAY ON TEST: 684
	DOSE: F1 2PPB	DISP: Natural Death	HISTO: 021380300260

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
* Pituitary Gland [Adenoma TGLS = 7-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Mild
* Thymus Note: Wet tissue attempted			
* Uterus		Hyperplasia Metaplasia	Atypical, Focal, Mild Squamous, Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 265

TRT#: 4

SEX: Female

DAY ON TEST: 687

DOSE: F1 50 PPB

DISP: Moribund Sacrifice

HISTO: 021380300265

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	* Oviduct
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy	Cystic, Mild Mild
* Clitoral Gland	Duct	Dilatation Inflammation	Moderate Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 3-9]			
* Lymph Node, Mandibular		Degeneration Infiltration Cellular	Cystic, Minimal Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
Note: Fibroadenoma is single not multiple. There are three sections of this large lesion. Note: Wet tissue requested for TGL 1 on slide 6B and 6C [Fibroadenoma TGLS = 1-6A+6B+6C]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy Cyst	Mild
Note: The cyst is in the broad ligament. [Cyst TGLS = 2-2B]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 265	TRT#: 4	SEX: Female	DAY ON TEST: 687
	DOSE: F1 50 PPB	DISP: Moribund Sacrifice	HISTO: 021380300265

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus		Hyperplasia	Atypical, Focal, Minimal
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 266

TRT#: 6

SEX: Female

DAY ON TEST: 687

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300266

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	* Kidney	* Liver	* Lung
* Lymph Node, Mesenteric	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 3-1]		Degeneration	Cystic, Mild
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral GI Note: Wet tissue attempted			
* Lymph Node, Mandibular		Degeneration Infiltration Cellular	Cystic, Mild Plasma Cell, Mild
* Mammary Gland		Adenocarcinoma Atypical Focus	Mild
	Alveolus	Hyperplasia Lactation	Mild Mild
[Adenocarcinoma TGLS = 1-6A]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
* Pituitary Gland [Adenoma TGLS = 4-1]	Pars Distalis	Adenoma	
* Skin Note: TGL 1 - noted grossly as Skin is Mammary Gland			
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 266	TRT#: 6	SEX: Female	DAY ON TEST: 687
	DOSE: F1/10PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300266

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 2-9]

* Uterus		Hyperplasia	Atypical, Focal, Minimal
		Metaplasia	Squamous, Minimal
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Adenocarcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 267

TRT#: 2

SEX: Female

DAY ON TEST: 686

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300267

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, Mesenteric	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 5-3]			
* Clitoral Gland	Duct	Dilatation	Moderate
		Inflammation	Mild
[Dilatation TGLS = 3-2A]			
[Inflammation TGLS = 3-2A]			
* Kidney		Mineralization	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Adenocarcinoma	
		Fibroadenoma	
	Alveolus	Hyperplasia	Minimal
[Adenocarcinoma TGLS = 1-6A]			
[Fibroadenoma TGLS = 2-6B]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 267	TRT#: 2	SEX: Female	DAY ON TEST: 686
	DOSE: F1 2PPB	DISP: Moribund Sacrifice	HISTO: 021380300267

ORGAN AND ACCOUNTABLE SITE STATUS

* Vagina	Mucocyte	Hyperplasia Inflammation	Mild Mild
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PRIMARY CAUSE OF DEATH	-
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Adenocarcinoma; Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 268

TRT#: 1

SEX: Female

DAY ON TEST: 686

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300268

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
* Lung	* Lymph Node, Mesenteric	* Oviduct	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
		Hypertrophy	Minimal
		Compression	Mild
* Brain, Brain Stem			
[Compression TGLS = 2-3]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Mineralization	Minimal
[Cyst TGLS = 3-11]			
* Liver	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-1]			
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach		Edema	Mild
		Hyperplasia	Moderate
[Hyperplasia TGLS = 4-7]			
* Thymus		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 268

TRT#: 1

SEX: Female

DAY ON TEST: 686

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300268

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Hyperplasia

Atypical, Focal, Minimal

* Vagina

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 269

TRT#: 3

SEX: Female

DAY ON TEST: 687

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300269

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	* Lymph Node, Mesenteric	* Oviduct	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Vagina			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 4-3]			
* Clitoral Gland		Inflammation	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
* Lung	Perivascular	Inflammation	Minimal
Note: TGL 6 - NCL			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLS = 1-6A]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Spleen		Pigmentation	Moderate
* Thymus		Cyst	
* Urin Bladder			
Note: TGL 5 - NCL			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 269

TRT#: 3

SEX: Female

DAY ON TEST: 687

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300269

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Hyperplasia
Metaplasia
Polyp Stromal

Atypical, Focal, Minimal
Squamous, Minimal

[Polyp Stromal TGLS = 2-2]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 270 **TRT#:** 5 **SEX:** Female **DAY ON TEST:** 689
DOSE: F1/2PPB TO CTL **DISP:** Moribund Sacrifice **HISTO:** 021380300270

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	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy Compression	Cystic, Mild Mild Moderate
* Brain, Brain Stem [Compression TGLS = 4-3]			
* Brain, Cerebrum		Hydrocephalus	Mild
* Clitoral Gland	Duct	Dilatation Inflammation	Mild Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst Nephropathy	Minimal
* Liver [Hepatodiaphragmatic Nodule TGLS = 2-9]		Hepatodiaphragmatic Nodule	
* Lung [Infiltration Cellular TGLS = 6-10]		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Minimal
* Lymph Node, Mesenteric		Depletion Lymphoid	Moderate
* Mammary Gland		Atypical Focus	Mild
	Alveolus	Hyperplasia Lactation	Marked Moderate
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Hyperplasia	Sertoliform, Mild
* Pituitary Gland [Adenoma TGLS = 3-1]	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 270	TRT#: 5	SEX: Female	DAY ON TEST: 689
	DOSE: F1/2PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300270

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Inflammation	Marked
[Inflammation TGLS = 5-6A]			
* Spleen		Pigmentation	Mild
* Stomach, Forestomach		Edema	Mild
		Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
* Vagina	Mucocyte	Hyperplasia	Moderate
		Inflammation	Marked
[Hyperplasia TGLS = 1-2C]			
[Inflammation TGLS = 1-2C]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 272

TRT#: 7

SEX: Female

DAY ON TEST: 689

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300272

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
* Liver	* Lung	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 3-1]		Degeneration	Cystic, Moderate
* Brain, Brain Stem [Compression TGLS = 5-3]		Compression	Moderate
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney [Cyst TGLS = 4-11]		Cyst	
		Mineralization	Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Mild
* Pancreas		Inflammation	Chronic, Minimal
* Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Mild
* Uterus [Polyp Stromal TGLS = 1,2-2]		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 272

TRT#: 7

SEX: Female

DAY ON TEST: 689

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300272

ORGAN AND ACCOUNTABLE SITE STATUS

* Vagina

Mucocyte

Hyperplasia
Inflammation

Mild
Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 273

TRT#: 5

SEX: Female

DAY ON TEST: 685

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone, Femur	* Brain, Cerebellum
* Brain, Cerebrum	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Oviduct	* Parathyroid Gland	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 11-1]		Degeneration	Cystic, Marked
* Bone Marrow		Lymphoma Malignant	
* Brain, Brain Stem Note: Wet tissue requested for TGL 14 on slide 3A [Compression TGLS = 14-3A]		Compression	Mild
* Clitoral Gland [Lymphoma Malignant TGLS = 2-2A]		Lymphoma Malignant	
* Eye		Lymphoma Malignant	
* Harderian Gland		Lymphoma Malignant	
* Intestine Large, Colon		Lymphoma Malignant	
* Islets, Pancreatic		Lymphoma Malignant	
* Kidney [Lymphoma Malignant TGLS = 5-11+11A]		Lymphoma Malignant	
* Liver [Lymphoma Malignant TGLS = 7-9]		Lymphoma Malignant	
* Lung Lymph Node	Lumbar	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
		Lymphoma Malignant	
		Lymphoma Malignant	
		Lymphoma Malignant	
* Lymph Node, Mandibular [Lymphoma Malignant TGLS = 1-4]		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 273

TRT#: 5

SEX: Female

DAY ON TEST: 685

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300273

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLS = 9-8]			
* Mammary Gland		Fibroadenoma Lactation Lymphoma Malignant	Mild
[Fibroadenoma TGLS = 3-6A]			
* Nose		Lymphoma Malignant	
* Ovary		Atrophy Cyst	Marked
[Cyst TGLS = 4-2B]			
* Pancreas		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 6-4]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 10-1]			
* Salivary Glands		Lymphoma Malignant	
* Skin		Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 15-9A]			
* Thymus		Lymphoma Malignant	
* Thyroid Gland		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 13-5]			
* Uterus	Endometrium	Hyperplasia Inflammation Lymphoma Malignant	Cystic, Minimal Minimal
* Vagina	Mucocyte	Hyperplasia Inflammation	Mild Minimal

PRIMARY CAUSE OF DEATH - Kidney Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 275 **TRT#:** 1 **SEX:** Female **DAY ON TEST:** 690
DOSE: F1 0PPB **DISP:** Moribund Sacrifice **HISTO:** 021380300275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* 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	* Kidney
* Lymph Node, Mesenteric	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Vagina

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 4-1]		Degeneration	Cystic, Mild
* Brain, Brain Stem [Compression TGLS = 8-3]		Compression	Moderate
* Brain, Cerebrum		Hydrocephalus	Mild
* Clitoral Gland [Dilatation TGLS = 1-2A] [Inflammation TGLS = 1-2A]	Duct	Dilatation Inflammation	Moderate Moderate
* Eye Note: TGL 7 - NCL	Retina	Degeneration	Mild
* Liver [Hemorrhage TGLS = 5-9]	Capsule	Hemorrhage	Focal, Mild
* Lung [Infiltration Cellular TGLS = 6-10]		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular [Hyperplasia TGLS = 3-4] [Infiltration Cellular TGLS = 3-4]		Hyperplasia Infiltration Cellular	Lymphoid, Mild Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
* Nose	Nasolacrim Dct	Inflammation	Moderate
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 275	TRT#: 1	SEX: Female	DAY ON TEST: 690
	DOSE: F1 0PPB	DISP: Moribund Sacrifice	HISTO: 021380300275

ORGAN AND ACCOUNTABLE SITE STATUS

		Cyst	
[Cyst TGLS = 2-2B]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Spleen		Pigmentation	Mild
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 10-2]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 276

TRT#: 3

SEX: Female

DAY ON TEST: 688

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300276

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	* Kidney	* Liver	* Lymph Node, Mesenteric
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
[Degeneration TGLS = 5-1]			
* Brain, Brain Stem		Compression	Mild
Note: Wet tissue requested for TGL 6 on slide 3A			
[Compression TGLS = 6-3A]			
* Clitoral Gland		Atrophy	Mild
	Duct	Dilatation	Mild
	Duct	Hyperplasia	Squamous, Mild
		Inflammation	Mild
[Hyperplasia TGLS = 3-2A]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Galactocele	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLS = 1-6A]			
[Galactocele TGLS = 2-6B]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 276	TRT#: 3	SEX: Female	DAY ON TEST: 688
	DOSE: F1 10 PPB	DISP: Moribund Sacrifice	HISTO: 021380300276

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 7-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Mild
* Thymus		Cyst	
* Uterus [Polyp Stromal TGLS = 4-2]		Metaplasia Polyp Stromal	Squamous, Minimal
* Vagina		Granular Cell Tumor Benign	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 277

TRT#: 4

SEX: Female

DAY ON TEST: 689

DOSE: F1 50 PPB

DISP: Moribund Sacrifice

HISTO: 021380300277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* 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	* Liver	* Lung
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Minimal
[Compression TGLS = 7-3]			
* Kidney		Nephropathy	Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Mild
	Lumbar	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 3-15]			
[Hyperplasia TGLS = 3-15]			
[Infiltration Cellular TGLS = 3-15]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Adenocarcinoma	
		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Adenocarcinoma TGLS = 1-6A]			
[Fibroadenoma TGLS = 4-6B]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 277	TRT#: 4	SEX: Female	DAY ON TEST: 689
	DOSE: F1 50 PPB	DISP: Moribund Sacrifice	HISTO: 021380300277

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 8-1]	Pars Distalis	Adenoma	
* Skin Note: TGL 4 - noted grossly as Skin is Mammary Gland Note: TGL 1 - noted grossly as Skin is Mammary Gland [Inflammation TGLS = 5,6-6C+6D]		Inflammation	Marked
* Spleen		Pigmentation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus [Hyperplasia TGLS = 2-2]	Endometrium	Hyperplasia Hyperplasia	Cystic, Mild Atypical, Focal, Minimal
* Vagina	Mucocyte	Hyperplasia Inflammation	Mild Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 279

TRT#: 2

SEX: Female

DAY ON TEST: 691

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300279

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	* Liver
* Nose	* Oviduct	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Eye	* Harderian Gland
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OBSERVATIONS

* Adrenal Cortex	Adenoma	
	Degeneration	Cystic, Mild
	Hyperplasia	Moderate
* Bone Marrow	Hyperplasia	Mild
* Clitoral Gland	Inflammation	Minimal
* Eye		
Note: Tissue destroyed/discarded at processing		
* Harderian GI		
Note: Tissue destroyed/discarded at processing		
* Kidney	Nephropathy	Minimal
* Liver		
Note: TGL 5 - NCL		
* Lung	Infiltration Cellular	Histiocyte, Minimal
Note: TGL located on slide 10A only		
[Infiltration Cellular TGLS = 6-10A]		
* Lymph Node, Mandibular	Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric	Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-6A+6B]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 279	TRT#: 2	SEX: Female	DAY ON TEST: 691
	DOSE: F1 2PPB	DISP: Moribund Sacrifice	HISTO: 021380300279

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary Note: TGL 3 - NCL		Hyperplasia	Sertoliform, Mild
* Pancreas		Inflammation	Chronic, Minimal
* Skin Note: TGL 1 - noted grossly as Skin is Mammary Gland Note: TGL 2 - noted grossly as Skin is Mammary Gland			
* Thymus		Cyst	
* Uterus Note: TGL 4 - NCL			
* Vagina	Mucocyte	Hyperplasia Inflammation	Moderate Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 280

TRT#: 7

SEX: Female

DAY ON TEST: 695

DOSE: F1/50PPB TO CTL

DISP: Natural Death

HISTO: 021380300280

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Adrenal Medulla

OBSERVATIONS

* Adren Medulla			
Note: No recut attempt per pathologist (Medulla cut through)			
* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 6-3]			
* Brain, Cerebrum		Hydrocephalus	Mild
* Clitoral Gland		Inflammation	Moderate
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 4-9]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLS = 1,2-6A+6B]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 280	TRT#: 7	SEX: Female	DAY ON TEST: 695
	DOSE: F1/50PPB TO CTL	DISP: Natural Death	HISTO: 021380300280

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Moderate
* Uterus [Hyperplasia TGLS = 3-2]	Endometrium	Hyperplasia Polyp Stromal	Cystic, Mild
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 282

TRT#: 3

SEX: Female

DAY ON TEST: 695

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300282

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
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 9-3]			
* Brain, Cerebrum		Hydrocephalus	Minimal
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Moderate
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Angiectasis	Mild
[Angiectasis TGLS = 6,7,10-9+9A]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 4-4]			
* Mammary Gland		Atypical Focus	Minimal
		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Moderate
		Lactation	Mild
[Fibroadenoma TGLS = 1,2,3-6A+6B+6C]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Marked
		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 282	TRT#: 3	SEX: Female	DAY ON TEST: 695
	DOSE: F1 10 PPB	DISP: Moribund Sacrifice	HISTO: 021380300282

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 5-2B]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Spleen		Pigmentation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 11-7A]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
* Vagina	Mucocyte	Hyperplasia	Mild
		Inflammation	Mild

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 283

TRT#: 7

SEX: Female

DAY ON TEST: 696

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300283

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, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 6-3]			
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Leiomyoma	
[Leiomyoma TGLS = 11-7]			
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 12-9]			
* Lym Node Mesen			
Note: TGL 10 - NCL			
Lymph Node	Renal	Degeneration	Cystic, Mild
	Mediastinal	Hemorrhage	Mild
	Mediastinal	Infiltration Cellular	Plasma Cell, Mild
	Popliteal	Infiltration Cellular	Plasma Cell, Mild
	Renal	Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 4-15A]			
[Hemorrhage TGLS = 3-15]			
[Infiltration Cellular TGLS = 5-15B]			
[Infiltration Cellular TGLS = 4-15A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 283	TRT#: 7	SEX: Female	DAY ON TEST: 696
	DOSE: F1/50PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300283

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 3-15]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Adenocarcinoma	
		Fibroadenoma	
[Adenocarcinoma TGLS = 8-6B]			
[Fibroadenoma TGLS = 1-6A]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 9-6C]			
* Spleen		Pigmentation	Mild
* Thymus		Thymoma Benign	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 2-2]			
* Vagina	Mucocyte	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 288

TRT#: 7

SEX: Female

DAY ON TEST: 698

DOSE: F1/50PPB TO CTL

DISP: Natural Death

HISTO: 021380300288

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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, Mesenteric
* Nose	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Vagina			

OBSERVATIONS

* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 3-3]			
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Mineralization	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Spleen		Pigmentation	Mild
* Uterus		Hyperplasia	Atypical, Focal, Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 289

TRT#: 3

SEX: Female

DAY ON TEST: 701

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300289

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	* Liver	* Lymph Node, Mesenteric
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Mild
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Lung	Peribronchial	Inflammation	Chronic, Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Adenocarcinoma	
		Atypical Focus	Minimal
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Adenocarcinoma TGLS = 1-6A]			
* Nose		Inflammation	Mild
Oral Mucosa		Keratin Cyst	
[Keratin Cyst TGLS = 4-14]			
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Spleen		Pigmentation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 289	TRT#: 3	SEX: Female	DAY ON TEST: 701
	DOSE: F1 10 PPB	DISP: Moribund Sacrifice	HISTO: 021380300289

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-2]	Polyp Stromal	
[Polyp Stromal TGLS = 2-2]		
* Vagina	Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Oral Mucosa Keratin Cyst

Animal Note: TGL 4 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 291	TRT#: 4	SEX: Female	DAY ON TEST: 701
	DOSE: F1 50 PPB	DISP: Moribund Sacrifice	HISTO: 021380300291

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, Mesenteric	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 3-3]			
* Clitoral Gland		Inflammation	Minimal
* Harderian Gland		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
* Liver		Eosinophilic Focus	
[Eosinophilic Focus TGLS = 5-9]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Atypical Focus	Mild
		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLS = 1-6A]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
		Cyst	
[Cyst TGLS = 2-2B]			
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Skin			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 291	TRT#: 4	SEX: Female	DAY ON TEST: 701
	DOSE: F1 50 PPB	DISP: Moribund Sacrifice	HISTO: 021380300291

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 1 - noted grossly as Skin is Mammary Gland

* Spleen		Pigmentation	Moderate
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Hyperplasia	Moderate
* Vagina		Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 292

TRT#: 6

SEX: Female

DAY ON TEST: 701

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300292

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, Mesenteric	* Oviduct	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 4-3]			
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Mild
* Harderian Gland		Inflammation	Mild
* Kidney		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Atypical Focus	Mild
		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Moderate
		Lactation	Mild
[Fibroadenoma TGLS = 1,2-6A+6B]			
* Nose	Olfactory Epi	Hyaline Droplet	Mild
		Inflammation	Mild
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Spleen		Pigmentation	Mild
* Uterus		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 292

TRT#: 6

SEX: Female

DAY ON TEST: 701

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300292

ORGAN AND ACCOUNTABLE SITE STATUS

* Vagina

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 293	TRT#: 6	SEX: Female	DAY ON TEST: 702
	DOSE: F1/10PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300293

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	* Lymph Node, Mesenteric	* Oviduct	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 4-1]		Degeneration	Cystic, Moderate
* Clitoral Gland		Inflammation	Moderate
* Eye	Bilateral, Retina	Degeneration	Moderate
* Kidney		Cyst	
		Mineralization	Minimal
* Liver [Cyst TGLS = 5-9]		Cyst	
* Lung		Inflammation	Mild
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Adenocarcinoma	
		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Minimal
* Nose Oral Mucosa [Keratin Cyst TGLS = 6-14]	Nasolacrim Dct	Inflammation	Mild
		Keratin Cyst	
* Ovary		Cyst	
	Interstit Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 293	TRT#: 6	SEX: Female	DAY ON TEST: 702
	DOSE: F1/10PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300293

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 3-2B]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Skin			
Note: TGL 1 - noted grossly as Skin is Mammary Gland			
Note: TGL 2 - noted grossly as Skin is Mammary Gland			
* Spleen		Pigmentation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus		Atrophy	Mild
* Vagina		Inflammation	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: TGL 6 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 294

TRT#: 1

SEX: Female

DAY ON TEST: 700

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300294

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* 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	* Liver
* Lymph Node, Mesenteric	* Nose	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Marked
[Degeneration TGLS = 6-1]			
* Bone Marrow		Hyperplasia	Mild
* Brain, Brain Stem		Compression	Mild
Note: Wet tissue requested for TGL 7 on slide 3A			
[Compression TGLS = 7-3+3A]			
* Clitoral Gland	Duct	Dilatation	Mild
[Dilatation TGLS = 3-2A]			
* Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
[Degeneration TGLS = 5-15]			
* Lymph Node, Mandibular		Degeneration	Cystic, Moderate
[Degeneration TGLS = 4-4]			
* Mammary Gland		Adenocarcinoma	
		Fibroadenoma	
	Alveolus	Hyperplasia	Marked
[Adenocarcinoma TGLS = 2-6B]			
[Fibroadenoma TGLS = 1-6A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 294	TRT#: 1	SEX: Female	DAY ON TEST: 700
	DOSE: F1 0PPB	DISP: Moribund Sacrifice	HISTO: 021380300294

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Mild
		Cyst	
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 8-1]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Vagina	Mucocyte	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 295

TRT#: 7

SEX: Female

DAY ON TEST: 701

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300295

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	* Liver	* Lung
* Lymph Node, Mesenteric	* Nose	* Oviduct	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Clitoral Gland	Duct	Dilatation	Mild
* Kidney		Mineralization	Mild
* Liver			
Note: TGL 6 - NCL			
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Mild
	Renal	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 4-15A]			
[Infiltration Cellular TGLS = 3-15]			
[Infiltration Cellular TGLS = 4-15A]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Mild
[Fibroadenoma TGLS = 1,2-6A+6B]			
* Ovary		Atrophy	Minimal
		Hyperplasia	Sertoliform, Minimal
* Pancreas	Acinar Cell	Degeneration	Moderate
* Parathyroid GI			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 295	TRT#: 7	SEX: Female	DAY ON TEST: 701
	DOSE: F1/50PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300295

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Recut attempted			
* Pituitary Gland		Angiectasis	Minimal
* Skin		Inflammation	Marked
[Inflammation TGLS = 5-6C]			
* Trachea		Inflammation	Minimal
* Vagina	Mucocyte	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Mammary Gland	Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 296

TRT#: 3

SEX: Female

DAY ON TEST: 703

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300296

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* 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
* Liver	* Lung	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 5-3]			
* Brain, Cerebrum		Hydrocephalus	Mild
* Harderian Gland		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 4-8]			
* Mammary Gland		Atypical Focus	Mild
		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLS = 1,2-6A+6B]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Spleen		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 296	TRT#: 3	SEX: Female	DAY ON TEST: 703
	DOSE: F1 10 PPB	DISP: Moribund Sacrifice	HISTO: 021380300296

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus Note: Recut / Wet tissue attempted			
* Uterus	Endometrium	Hyperplasia Hyperplasia Inflammation	Cystic, Mild Atypical, Focal, Minimal Mild
* Vagina			

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 300

TRT#: 7

SEX: Female

DAY ON TEST: 702

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* 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	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Bone Marrow		Hyperplasia	Mild
* Brain, Brain Stem		Compression	Minimal
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
* Liver		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
* Mammary Gland		Adenocarcinoma	
		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
[Adenocarcinoma TGLS = 2-6B]			
[Fibroadenoma TGLS = 1-6A]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 3-6C]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 300

TRT#: 7

SEX: Female

DAY ON TEST: 702

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300300

ORGAN AND ACCOUNTABLE SITE STATUS

* Vagina	Mucocyte	Hyperplasia	Moderate
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PRIMARY CAUSE OF DEATH

-

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Adenocarcinoma; Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 302

TRT#: 1

SEX: Female

DAY ON TEST: 702

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300302

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	* Nose	* Oviduct
* Parathyroid Gland	Peripheral Nerve	* Salivary Glands	Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

Spinal Cord

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Clitoral Gland	Duct	Dilatation	Mild
* Harderian Gland		Inflammation	Minimal
* Kidney	Epithelium, Pelvis	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Note: TGL 1 - NCL			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland	Alveolus	Hyperplasia	Minimal
* Ovary		Atrophy	Minimal
* Pancreas		Lipomatosis	Mild
Perph Nerve			
Note: Removal observations indicated posterior paralysis. Tissue processed per NTP SOW.			
Note: Tissue located on slide 15.			
* Pituitary Gland	Pars Distalis	Cyst	
Skel Muscle			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 302	TRT#: 1	SEX: Female	DAY ON TEST: 702
	DOSE: F1 0PPB	DISP: Moribund Sacrifice	HISTO: 021380300302

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Removal observations indicated posterior paralysis. Tissue processed per NTP SOW.

Note: Tissue located on slide 15.

Spinal Cord

Note: Tissue located on slide 15.

Note: Removal observations indicated posterior paralysis. Tissue processed per NTP SOW.

* Spleen		Pigmentation	Mild
* Thymus		Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urin Bladder			
Note: TGL 2 - NCL			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
* Vagina	Mucocyte	Hyperplasia	Marked
		Inflammation	Minimal

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 306

TRT#: 2

SEX: Female

DAY ON TEST: 702

DOSE: F1 2PPB

DISP: Natural Death

HISTO: 021380300306

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	* Lymph Node, Mesenteric	* Nose	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus	* Vagina	

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy	Cystic, Moderate Mild
[Degeneration TGLS = 6-1]			
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 9-3]			
* Clitoral Gland		Atrophy	Mild
* Heart			
Note: TGL 7 - NCL			
* Kidney		Cyst Mineralization Nephropathy	Mild Mild
Note: Wet tissue requested for TGL 5 on slide 11A			
[Cyst TGLS = 5-11A]			
* Liver		Hematopoietic Cell Proliferation Hyperplasia	Minimal Mild
	Bile Duct		
* Lung	Perivascular	Inflammation	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 3-4]			
* Mammary Gland		Atypical Focus Fibroadenoma	Mild
	Alveolus	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:46

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 306

TRT#: 2

DOSE: F1 2PPB

SEX: Female

DISP: Natural Death

DAY ON TEST: 702

HISTO: 021380300306

ORGAN AND ACCOUNTABLE SITE STATUS

		Lactation	Moderate
[Fibroadenoma TGLS = 1-6A]			
[Hyperplasia TGLS = 2,4-6B+6C]			
* Nose			
Note: Squamous cell carcinoma observed in the nasal turbinates is recorded as Squamous cell carcinoma, Oral Mucosa.			
Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 10-14]			
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland			
Note: TGL 12 - NCL			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Skin			
Note: TGL 1 - noted grossly as Skin is Mammary Gland			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thyroid Gland			
Note: TGL 11 - NCL			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: TGL 10 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 307

TRT#: 2

SEX: Female

DAY ON TEST: 705

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300307

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* 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
* Liver	* Lung	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy Compression	Cystic, Mild Mild Moderate
* Brain, Brain Stem [Compression TGLS = 3-3]			
* Brain, Cerebrum		Hydrocephalus	Mild
* Clitoral Gland		Inflammation	Mild
* Kidney		Mineralization	Mild
* Lymph Node, Mandibular		Degeneration Hyperplasia Infiltration Cellular	Cystic, Mild Lymphoid, Mild Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
* Mammary Gland		Atypical Focus Fibroadenoma	Minimal
	Alveolus	Hyperplasia Lactation	Mild Minimal
[Fibroadenoma TGLS = 1-6A]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Hyperplasia	Sertoliform, Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland [Adenoma TGLS = 2-1]	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 307	TRT#: 2	SEX: Female	DAY ON TEST: 705
	DOSE: F1 2PPB	DISP: Moribund Sacrifice	HISTO: 021380300307

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Vagina	Mucocyte	Hyperplasia	Mild
		Inflammation	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 308

TRT#: 4

SEX: Female

DAY ON TEST: 706

DOSE: F1 50 PPB

DISP: Moribund Sacrifice

HISTO: 021380300308

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* 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
* Oviduct	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Bone Marrow		Lymphoma Malignant	
* Brain, Brain Stem		Compression	Minimal
[Compression TGLS = 15-3]			
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1,2-6A+2A]			
* Kidney		Cyst	
		Lymphoma Malignant	
Note: Wet tissue requested for TGL 18 on slide 11A			
[Cyst TGLS = 18-11+11A]			
* Liver		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 17-9]			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 11-10]			
Lymph Node	Axillary	Lymphoma Malignant	
	Deep Cervical	Lymphoma Malignant	
	Lumbar	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Pancreatic	Lymphoma Malignant	
	Popliteal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 308	TRT#: 4	SEX: Female	DAY ON TEST: 706
	DOSE: F1 50 PPB	DISP: Moribund Sacrifice	HISTO: 021380300308

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLS = 6-15]			
[Lymphoma Malignant TGLS = 7-15A]			
[Lymphoma Malignant TGLS = 9-15C]			
[Lymphoma Malignant TGLS = 13-15F]			
[Lymphoma Malignant TGLS = 12-15E]			
[Lymphoma Malignant TGLS = 10-15D]			
[Lymphoma Malignant TGLS = 8-15B]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 3-4]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 16-8]			
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
		Lymphoma Malignant	
Note: TGL 1 - noted grossly as Mammary Gland is Clitoral Gland			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland			
Note: Recut attempted			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 14-1]			
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 5-9]			
* Thymus		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Mild
[Hyperplasia TGLS = 4-2]			
* Vagina	Mucocyte	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Liver	Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 313

TRT#: 3

SEX: Female

DAY ON TEST: 709

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300313

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Esophagus	* Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mesenteric	* Oviduct	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 5-3]			
* Brain, Cerebrum		Hydrocephalus	Mild
* Clitoral Gland		Hyperplasia	Mild
		Inflammation	Mild
* Harderian Gland		Inflammation	Minimal
* Intestine Large, Colon		Developmental Malformation	
[Developmental Malformation TGLS = 6-8B]			
* Kidney		Cyst	
		Mineralization	Mild
		Nephropathy	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Adenocarcinoma	
		Atypical Focus	Minimal
		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
[Adenocarcinoma TGLS = 1-6A]		Lactation	Minimal
[Fibroadenoma TGLS = 2-6B]			
* Nose	Nasolacrim Dct	Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 313	TRT#: 3	SEX: Female	DAY ON TEST: 709
	DOSE: F1 10 PPB	DISP: Moribund Sacrifice	HISTO: 021380300313

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Inflammation	Mild
		Atrophy	Marked
		Cyst	
[Cyst TGLS = 3-2B]			
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Pigmentation	Mild
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Hyperplasia	Atypical, Focal, Minimal
		Metaplasia	Squamous, Minimal
* Vagina	Mucocyte	Hyperplasia	Mild
		Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 314

TRT#: 4

SEX: Female

DAY ON TEST: 711

DOSE: F1 50 PPB

DISP: Natural Death

HISTO: 021380300314

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* 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
* Liver	* Lymph Node, Mesenteric	* Mammary Gland	* Oviduct
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Vagina		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 7-3]			
* Brain, Cerebellum		Hydrocephalus	Mild
* Clitoral Gland		Atrophy	Mild
	Duct	Dilatation	Mild
* Kidney		Hemorrhage	Mild
		Hydronephrosis	Mild
[Hydronephrosis TGLS = 4-11]			
* Liver			
Note: TGL 2 - NCL			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Note: TGL 5 - NCL			
[Infiltration Cellular TGLS = 8-10]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Nose	Olfactory Epi	Hyaline Droplet	Mild
* Ovary		Atrophy	Marked
		Cyst	
		Hyperplasia	Sertoliform, Minimal
* Pancreas	Acinar Cell	Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 314	TRT#: 4	SEX: Female	DAY ON TEST: 711
	DOSE: F1 50 PPB	DISP: Natural Death	HISTO: 021380300314

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland Note: TGL 9 - noted grossly as Parathyroid Gland is Thyroid Gland		Hyperplasia	Mild
* Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Mild
* Thymus Note: Recut / Wet tissue attempted			
* Thyroid Gland [Adenoma TGLS = 9-5]	C Cell	Adenoma	
* Urinary Bladder [Dilatation TGLS = 3-11] [Hemorrhage TGLS = 3-11]		Dilatation Hemorrhage	Moderate Moderate
* Uterus [Polyp Stromal TGLS = 1,10,11-2+2A+2C]		Polyp Stromal	
* Vagina Note: TGL 10 - noted grossly as Vagina is Uterus Note: Vaginal structures are normal. Vaginal lumen contains prolapsed uterine stromal polyp.			

PRIMARY CAUSE OF DEATH - Uterus Polyp Stromal

Animal Note: Probable cause of death was Urinary obstruction due to large uterine stromal pol yp.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 315

TRT#: 1

SEX: Female

DAY ON TEST: 713

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300315

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
* Liver	* Lung	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 4-1]		Degeneration	Cystic, Marked
* Brain, Brain Stem [Compression TGLS = 8-3]		Compression	Mild
* Clitoral Gland	Duct	Dilatation	Mild
* Harderian GI Note: TGL 6 - NCL			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
Lymph Node [Degeneration TGLS = 5-15] [Infiltration Cellular TGLS = 9-15A]	Lumbar Inguinal	Degeneration Infiltration Cellular	Cystic, Moderate Plasma Cell, Moderate
* Lymph Node, Mandibular [Degeneration TGLS = 3-4]		Degeneration Infiltration Cellular	Cystic, Mild Plasma Cell, Moderate
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland [Fibroadenoma TGLS = 1,2-6A+6B]	Alveolus	Fibroadenoma Hyperplasia Lactation	Multiple Mild Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 315	TRT#: 1	SEX: Female	DAY ON TEST: 713
	DOSE: F1 0PPB	DISP: Moribund Sacrifice	HISTO: 021380300315

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Nasolacrim Dct	Inflammation	Mild
		Inflammation	Mild
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 7-1]		
* Skin		Inflammation	Marked
	[Inflammation TGLS = 10-6C]		
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Minimal
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 316

TRT#: 2

SEX: Female

DAY ON TEST: 712

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300316

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	* Liver	* Lung	* Lymph Node, Mesenteric
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy	Cystic, Moderate Mild
[Degeneration TGLS = 6-1]			
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 11-3]			
* Clitoral Gland	Duct	Hyperplasia Inflammation	Squamous, Moderate Moderate
* Kidney		Cyst Mineralization	Minimal
Note: Wet tissue requested for TGL 7 on slide 11A			
[Cyst TGLS = 7-11A]			
* Lung			
Note: TGL 12 - NCL			
Lymph Node	Lumbar Lumbar	Degeneration Infiltration Cellular	Cystic, Marked Plasma Cell, Moderate
[Degeneration TGLS = 8,9-6C+15A]			
[Infiltration Cellular TGLS = 9-15A]			
* Lymph Node, Mandibular		Degeneration Infiltration Cellular	Cystic, Mild Plasma Cell, Moderate
* Mammary Gland	Alveolus	Fibroadenoma Hyperplasia Lactation	Mild Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 316	TRT#: 2	SEX: Female	DAY ON TEST: 712
	DOSE: F1 2PPB	DISP: Moribund Sacrifice	HISTO: 021380300316

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 2-6B]			
[Hyperplasia TGLS = 1-6A]			
[Lactation TGLS = 1-6A]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-15]			
* Nose	Olfactory Epi	Hyaline Droplet	Minimal
	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Marked
		Cyst	
		Hyperplasia	Sertoliform, Mild
[Cyst TGLS = 4-2B]			
* Pancreas		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 10-1]			
* Skin			
Note: TGL 8 - noted grossly as Skin is Lymph Node, lumbar			
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Mild
		Inflammation	Mild
* Thymus		Cyst	
* Uterus		Hyperplasia	Atypical, Focal, Minimal
		Leiomyoma	
[Leiomyoma TGLS = 3-2]			
* Vagina		Inflammation	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 318

TRT#: 6

SEX: Female

DAY ON TEST: 715

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300318

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* 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
* Liver	* Lung	* Lymph Node, Mesenteric	* Oviduct
* Pancreas	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 7-3]			
* Brain, Cerebrum		Hydrocephalus	Mild
* Harderian Gland		Inflammation	Minimal
* Kidney		Cyst	
		Degeneration	Mucoid, Minimal
	Epithelium, Pelvis	Hyperplasia	Mild
[Cyst TGLS = 5-11]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Hyperplasia TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Hyperplasia TGLS = 2-6A]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Mild
		Cyst	
[Cyst TGLS = 4-2B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 318	TRT#: 6	SEX: Female	DAY ON TEST: 715
	DOSE: F1/10PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300318

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland Note: Recut attempted			
* Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Adenoma	
* Salivary Glands		Inflammation	Chronic, Minimal
* Spleen		Pigmentation	Mild
* Thymus		Cyst	
* Uterus [Polyp Stromal TGLS = 3-2]		Polyp Stromal	
* Vagina	Mucocyte	Hyperplasia Inflammation	Moderate Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 319

TRT#: 3

SEX: Female

DAY ON TEST: 715

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300319

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
* Liver	* Lymph Node, Mesenteric	* Oviduct	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy	Cystic, Moderate Mild
[Degeneration TGLS = 4-1]			
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 7-3]			
* Clitoral Gland	Duct	Dilatation	Mild
* Harderian Gland		Hyperplasia	Mild
* Kidney		Cyst Hydronephrosis	Moderate
Note: Cyst and Hydronephrosis are in the right Kidney.			
[Cyst TGLS = 8-11]			
[Hydronephrosis TGLS = 10-11]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 9-4]			
* Mammary Gland	Alveolus	Fibroadenoma Hyperplasia Lactation	Multiple Minimal Mild
[Fibroadenoma TGLS = 1,2,3-6A+6B+6C]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 319	TRT#: 3	SEX: Female	DAY ON TEST: 715
	DOSE: F1 10 PPB	DISP: Moribund Sacrifice	HISTO: 021380300319

ORGAN AND ACCOUNTABLE SITE STATUS

		Cyst	
[Cyst TGLS = 5-2B]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Spleen		Pigmentation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 320

TRT#: 6

SEX: Female

DAY ON TEST: 714

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300320

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	* Oviduct	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus	* Vagina	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
[Degeneration TGLS = 5-1]			
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Dilatation	Mild
[Inflammation TGLS = 12-2A]		Inflammation	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
Note: Wet tissue requested for TGL 6 on slide 11A		Mineralization	Mild
[Cyst TGLS = 6-11A]			
* Liver		Cyst Multilocular	
[Hepatocellular Adenoma TGLS = 8-9]		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hepatocellular Adenoma	
		Hyperplasia	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 13-10]			
Lymph Node	Lumbar	Degeneration	Cystic, Marked
	Lumbar	Hyperplasia	Lymphoid, Mild
	Mediastinal	Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 320	TRT#: 6	SEX: Female	DAY ON TEST: 714
	DOSE: F1/10PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300320

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLS = 7-15] [Hyperplasia TGLS = 7-15] [Hyperplasia TGLS = 9-4] [Infiltration Cellular TGLS = 7-15]	Lumbar	Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Adenocarcinoma Atypical Focus Fibroadenoma	Moderate
	Alveolus	Hyperplasia Lactation	Moderate Mild
[Adenocarcinoma TGLS = 3-6C] [Fibroadenoma TGLS = 2-6B]			
* Nose	Nasolacrimal Dct	Inflammation	Mild
* Ovary Note: TGL 11 - NCL Note: Discoloration noted as TGL 11 was normal corpora lutea.		Cyst	
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland [Adenoma TGLS = 10-1]	Pars Distalis	Adenoma	
* Skin [Keratoacanthoma TGLS = 1-6A]		Keratoacanthoma	
* Spleen [Hematopoietic Cell Proliferation TGLS = 4-9]		Hematopoietic Cell Proliferation	Moderate
* Thymus Note: TGL 9 - noted grossly as Thymus is Lymph Node, mediastinal			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH	-
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Adenocarcinoma; Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 321

TRT#: 7

SEX: Female

DAY ON TEST: 715

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300321

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	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Degeneration	Cystic, Mild
[Degeneration TGLS = 5-1]			
* Clitoral Gland		Inflammation	Moderate
[Inflammation TGLS = 2-2A]			
* Harderian Gland		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Liver	Left Lat Lobe	Developmental Malformation	
		Vacuolization Cytoplasmic	Mild
[Developmental Malformation TGLS = 6-9]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Minimal
		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLS = 3-6B]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild
		Hyperplasia	Sertoliform, Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 321	TRT#: 7	SEX: Female	DAY ON TEST: 715
	DOSE: F1/50PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300321

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Inflammation TGLS = 1-6A]		Inflammation	Marked
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Minimal
* Thyroid G1 Note: TGL 8 - NCL			
* Uterus	Endometrium	Hyperplasia	Minimal
* Vagina Zymbal's Gland [Carcinoma TGLS = 4-15]	Mucocyte	Hyperplasia Carcinoma	Marked

PRIMARY CAUSE OF DEATH - Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 323

TRT#: 1

SEX: Female

DAY ON TEST: 717

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300323

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
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 7-1]		Degeneration	Cystic, Moderate
* Brain, Brain Stem [Compression TGLS = 10-3]		Compression	Moderate
* Brain, Cerebrum		Hydrocephalus	Mild
* Clitoral Gland [Inflammation TGLS = 3-2A]		Inflammation	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Mild
* Liver [Cholangiocarcinoma TGLS = 5-9] [Degeneration TGLS = 6-9]		Cholangiocarcinoma	
		Degeneration	Cystic, Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Adenocarcinoma	
		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Mild
[Adenocarcinoma TGLS = 4-6C]			
[Fibroadenoma TGLS = 1,2,11-6A+6B+6E]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 323	TRT#: 1	SEX: Female	DAY ON TEST: 717
	DOSE: F1 0PPB	DISP: Moribund Sacrifice	HISTO: 021380300323

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Moderate
		Cyst	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Skin		Inflammation	Moderate
Note: TGL 1 - noted grossly as Skin is Mammary Gland			
Note: TGL 4 - noted grossly as Skin is Mammary Gland			
[Inflammation TGLS = 8-6D]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Trachea		Inflammation	Minimal
* Uterus		Atrophy	Mild
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 327

TRT#: 6

SEX: Female

DAY ON TEST: 717

DOSE: F1/10PPB TO CTL

DISP: Natural Death

HISTO: 021380300327

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Brain, Cerebrum	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 8-3]			
* Clitoral Gland	Duct	Dilatation	Mild
[Dilatation TGLS = 5-2A]		Inflammation	Moderate
[Inflammation TGLS = 5-2A]			
* Esophagus		Inflammation	Marked
Note: Lesion is on slide 10 with Lung			
* Eye		Cataract	
* Harderian Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Minimal
* Liver		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
[Degeneration TGLS = 3-4]		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 3-4]			
* Mammary Gland	Alveolus	Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2,4-6B+6C]		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 327	TRT#: 6	SEX: Female	DAY ON TEST: 717
	DOSE: F1/10PPB TO CTL	DISP: Natural Death	HISTO: 021380300327

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy Cyst	Marked
[Cyst TGLS = 6-2B]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 1-6A]			
* Thymus		Cyst	
[Cyst TGLS = 9-4]			
* Vagina	Mucocyte	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Esophagus Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 328

TRT#: 1

SEX: Female

DAY ON TEST: 720

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300328

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
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Clitoral Gland

OBSERVATIONS

* Adren Medulla Note: TGL 5 - NCL			
* Adrenal Cortex Note: TGL 5 - NCL		Hypertrophy	Minimal
* Brain, Brain Stem [Compression TGLS = 9-3]		Compression	Moderate
* Clitoral GI Note: Recut / Wet tissue attempted			
* Int Sm Ileum Note: TGL 10 - NCL			
* Kidney [Cyst TGLS = 6-11]		Cyst	
* Liver		Vacuolization Cytoplasmic	Moderate
* Mammary Gland [Adenocarcinoma TGLS = 2-6B] [Fibroadenoma TGLS = 3-6C]		Adenocarcinoma Fibroadenoma	
* Nose		Inflammation	Minimal
* Ovary		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 328	TRT#: 1	SEX: Female	DAY ON TEST: 720
	DOSE: F1 0PPB	DISP: Moribund Sacrifice	HISTO: 021380300328

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Skin		Abscess	Moderate
		Inflammation	Marked
[Abscess TGLS = 7-6D]			
[Inflammation TGLS = 1-6A]			
* Spleen		Pigmentation	Minimal
* Vagina	Mucocyte	Hyperplasia	Moderate
[Hyperplasia TGLS = 4-2A]			

PRIMARY CAUSE OF DEATH	-
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Adenocarcinoma;Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 329

TRT#: 1

SEX: Female

DAY ON TEST: 720

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300329

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	* Liver
* Lung	* Lymph Node, Mesenteric	* Oviduct	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Clitoral Gland		Inflammation	Moderate
[Inflammation TGLS = 2-2A]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
[Degeneration TGLS = 3-4]		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 3-4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-6A]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Moderate
		Hyperplasia	Sertoliform, Minimal
* Spleen		Pigmentation	Mild
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 330

TRT#: 4

SEX: Female

DAY ON TEST: 722

DOSE: F1 50 PPB

DISP: Moribund Sacrifice

HISTO: 021380300330

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	* Oviduct	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain, Brain Stem		Compression	Moderate
* Clitoral Gland		Inflammation	Moderate
[Inflammation TGLS = 8-2A]			
* Harderian Gland		Hyperplasia	Minimal
* Kidney		Polycystic Kidney	Mild
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 7-8]			
* Mammary Gland		Adenocarcinoma	Multiple
		Atypical Focus	Minimal
		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Mild
		Lactation	Moderate
[Adenocarcinoma TGLS = 2,3-6B+6C]			
[Fibroadenoma TGLS = 1-6A]			
* Nose	Nasolacrim Dct	Inflammation	Mild
Note: Squamous cell carcinoma observed in the nasal turbinates is recorded as Squamous cell carcinoma, Oral Mucosa.			
Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 5-14]			
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 330	TRT#: 4	SEX: Female	DAY ON TEST: 722
	DOSE: F1 50 PPB	DISP: Moribund Sacrifice	HISTO: 021380300330

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Cyst	Sertoliform, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
	[Adenoma TGLS = 4-1]	Degeneration	
* Skin		Adenoma	
	[Inflammation TGLS = 6-6D]	Inflammation	Marked
* Spleen		Pigmentation	Minimal
* Thyroid Gland		Ultimobranchial Cyst	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Hyperplasia	Atypical, Focal, Minimal
		Polyp Stromal	
* Vagina	Mucocyte	Hyperplasia	Mild
		Inflammation	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: TGL 5 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 333

TRT#: 6

SEX: Female

DAY ON TEST: 724

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300333

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	* Lymph Node, Mesenteric	* Oviduct	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus	* Vagina	

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 3,4-1]		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Minimal
* Clitoral Gland		Inflammation	Mild
* Kidney		Mineralization	Mild
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
* Lung		Inflammation	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-6B]			
* Nose	Olfactory Epi	Hyaline Droplet	Minimal
		Inflammation	Minimal
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Mild
* Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Adenoma	
* Skin [Inflammation TGLS = 1-6A]		Inflammation	Marked
* Thyroid Gl			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 333

TRT#: 6

SEX: Female

DAY ON TEST: 724

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300333

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 5 - NCL

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 335

TRT#: 7

SEX: Female

DAY ON TEST: 724

DOSE: F1/50PPB TO CTL

DISP: Natural Death

HISTO: 021380300335

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, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

AUTO PRECLUDES DIAG.

* Eye	* Intestine Small, Ileum
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 6-3]			
* Clitoral Gland		Inflammation	Moderate
[Inflammation TGLS = 1-2A]			
* Liver		Angiectasis	Mild
[Angiectasis TGLS = 8-9]			
* Lym Node Mand			
Note: TGL 9 - NCL			
Lymph Node	Inguinal	Infiltration Cellular	Plasma Cell, Moderate
	Renal	Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 4-15A]			
[Infiltration Cellular TGLS = 3-15]			
* Mammary Gland		Atypical Focus	Minimal
	Alveolus	Hyperplasia	Mild
* Ovary		Granulosa Cell Tumor Benign	
		Hyperplasia	Sertoliform, Minimal
[Granulosa Cell Tumor Benign TGLS = 2-2B]			
* Pancreas	Acinar Cell	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 335	TRT#: 7	SEX: Female	DAY ON TEST: 724
	DOSE: F1/50PPB TO CTL	DISP: Natural Death	HISTO: 021380300335

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Skin [Inflammation TGLS = 7-6A]		Inflammation	Marked
* Spleen		Pigmentation	Minimal
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 338

TRT#: 3

SEX: Female

DAY ON TEST: 725

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300338

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* 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
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy Compression	Cystic, Mild Mild Moderate
* Brain, Brain Stem [Compression TGLS = 2-3]			
* Liver		Inflammation	Chronic Active, Minimal
* Lung [Inflammation TGLS = 4-10]		Inflammation	Mild
* Lymph Node, Mandibular		Degeneration Infiltration Cellular	Cystic, Mild Plasma Cell, Moderate
* Mammary Gland	Alveolus	Hyperplasia	Moderate
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild
* Pituitary Gland [Adenoma TGLS = 1-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Moderate
* Vagina [Hyperplasia TGLS = 3-2A] [Inflammation TGLS = 3-2A]	Mucocyte	Hyperplasia Inflammation	Moderate Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 339

TRT#: 5

SEX: Female

DAY ON TEST: 725

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300339

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* 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	* Lung
* Lymph Node, Mesenteric	* Oviduct	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 9-1]		Degeneration	Cystic, Moderate
* Brain, Brain Stem [Compression TGLS = 6-3]		Compression	Moderate
* Brain, Cerebellum		Hydrocephalus	Minimal
* Clitoral Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Liver Note: TGL 11 - NCL Note: TGL 13 - NCL [Angiectasis TGLS = 14-9]		Angiectasis	Minimal
* Lung Note: TGL 8 - NCL			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland Alveolus [Fibroadenoma TGLS = 2,3,4-6B+6C+6D] [Hyperplasia TGLS = 1-6A]		Fibroadenoma Hyperplasia	Multiple Moderate
Mesentery [Necrosis TGLS = 5-15]	Fat	Necrosis	Moderate
* Nose		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 339	TRT#: 5	SEX: Female	DAY ON TEST: 725
	DOSE: F1/2PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300339

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Skin			
Note: TGL 3 - noted grossly as Skin is Mammary gland			
* Spleen		Pigmentation	Minimal
* Stom Forestom			
Note: TGL 10 - NCL			
* Thymus		Cyst	
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 12-2]			
* Vagina	Mucocyte	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 341

TRT#: 5

SEX: Female

DAY ON TEST: 729

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* 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	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 5-1]		Degeneration	Cystic, Moderate
* Brain, Brain Stem [Compression TGLS = 8-3]		Compression	Moderate
* Brain, Cerebellum		Hydrocephalus	Mild
* Clitoral Gland [Dilatation TGLS = 1-2A]	Duct	Dilatation Inflammation	Mild Mild
* Kidney		Mineralization	Moderate
* Liver [Degeneration TGLS = 6-9]		Degeneration Vacuolization Cytoplasmic	Cystic, Mild Mild
* Lym Node Mesen Note: TGL 10 - NCL			
Lymph Node [Degeneration TGLS = 7-15] [Infiltration Cellular TGLS = 7-15]	Lumbar Lumbar	Degeneration Infiltration Cellular	Cystic, Mild Plasma Cell, Mild
* Lymph Node, Mandibular [Infiltration Cellular TGLS = 3-4]		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma Galactocele	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 341	TRT#: 5	SEX: Female	DAY ON TEST: 729
	DOSE: F1/2PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300341

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 2-6A]	Alveolus	Hyperplasia	Moderate
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Spleen		Pigmentation	Mild
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Minimal
[Hyperplasia TGLS = 4-2]			
* Vagina		Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 342	TRT#: 2	SEX: Female	DAY ON TEST: 729
	DOSE: F1 2PPB	DISP: Natural Death	HISTO: 021380300342

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	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 7-3]			
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Mild
* Harderian Gland			
Note: TGL 8 - NCL			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Moderate
* Liver		Vacuolization Cytoplasmic	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 4-10A]			
Lymph Node	Inguinal	Infiltration Cellular	Plasma Cell, Marked
[Infiltration Cellular TGLS = 2-6B]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-6A]			
* Ovary		Atrophy	Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 342	TRT#: 2	SEX: Female	DAY ON TEST: 729
	DOSE: F1 2PPB	DISP: Natural Death	HISTO: 021380300342

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin Note: TGL 2 - noted grossly as Skin is Lymph Node, inguinal [Inflammation TGLS = 5-6C]		Inflammation	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Cyst	
* Thyroid Gland Note: TGL 3 - NCL			
* Vagina	Mucocyte	Hyperplasia Inflammation	Moderate Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 343

TRT#: 4

SEX: Female

DAY ON TEST: 726

DOSE: F1 50 PPB

DISP: Moribund Sacrifice

HISTO: 021380300343

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, Mesenteric
* Ovary	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Mild
	[Dilatation TGLS = 3-2A]		
	[Inflammation TGLS = 3-2A]		
* Liver		Vacuolization Cytoplasmic	Mild
	[Vacuolization Cytoplasmic TGLS = 4-9]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLS = 6-10]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
	[Infiltration Cellular TGLS = 1-4]		
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Moderate
	[Fibroadenoma TGLS = 2-6A]		
* Nose	Nasolacrim Dct	Inflammation	Mild
		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 5-1]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 343	TRT#: 4	SEX: Female	DAY ON TEST: 726
	DOSE: F1 50 PPB	DISP: Moribund Sacrifice	HISTO: 021380300343

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Endometrium	Hyperplasia	Mild
* Vagina	Mucocyte	Hyperplasia	Moderate
		Inflammation	Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 344

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: F1 50 PPB

DISP: Moribund Sacrifice

HISTO: 021380300344

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
* Oviduct	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex [Angiectasis TGLS = 4-1]		Angiectasis	Mild
* Clitoral Gland [Inflammation TGLS = 1-2A]		Inflammation	Moderate
* Kidney		Mineralization Nephropathy	Minimal Minimal
* Liver [Eosinophilic Focus TGLS = 6-9]		Eosinophilic Focus	
* Lung Note: TGL 5 - NCL	Artery	Mineralization	Minimal
* Mammary Gland [Fibroadenoma TGLS = 2-6A]		Atypical Focus Fibroadenoma	Minimal
	Alveolus	Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary Note: TGL 7 - NCL		Atrophy	Minimal
* Pancreas	Acinar Cell	Degeneration	Minimal
* Spleen		Pigmentation	Mild
* Uterus Note: TGL 8 - NCL		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 344	TRT#: 4	SEX: Female	DAY ON TEST: 727
	DOSE: F1 50 PPB	DISP: Moribund Sacrifice	HISTO: 021380300344

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 3-2]			
* Vagina	Mucocyte	Hyperplasia Inflammation	Moderate Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 345

TRT#: 3

SEX: Female

DAY ON TEST: 727

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300345

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	* Kidney	* Lymph Node, Mesenteric	* Oviduct
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 4-9A]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 5-10]		Infiltration Cellular	Lymphocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3-6A+6B+6C]			
* Nose	Goblet Cell	Hyperplasia	Mild
	Nasolacrim Dct	Inflammation	Mild
		Inflammation	Mild
* Ovary		Atrophy	Mild
		Cyst	
		Hyperplasia	Sertoliform, Minimal
* Parathyroid Gl			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 345	TRT#: 3	SEX: Female	DAY ON TEST: 727
	DOSE: F1 10 PPB	DISP: Moribund Sacrifice	HISTO: 021380300345

ORGAN AND ACCOUNTABLE SITE STATUS

Note: No recut or wet tissue attempt per pathologist

* Spleen	Hematopoietic Cell Proliferation	Mild
* Thymus		

Note: No recut or wet tissue attempt per pathologist

* Trachea	Inflammation	Minimal
* Vagina	Mucocyte Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 349 **TRT#:** 2 **SEX:** Female **DAY ON TEST:** 730
DOSE: F1 2PPB **DISP:** Moribund Sacrifice **HISTO:** 021380300349

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
* Liver	* Lung	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 2-1]		Degeneration	Cystic, Marked
* Brain, Brain Stem [Compression TGLS = 5-3]		Compression	Mild
* Clitoral Gland		Hyperplasia Inflammation	Minimal Moderate
* Harderian Gland		Inflammation	Minimal
* Kidney [Cyst TGLS = 3-11]		Cyst Mineralization	Moderate
* Lymph Node, Mandibular [Infiltration Cellular TGLS = 4-4]		Degeneration Hyperplasia Infiltration Cellular	Cystic, Mild Lymphoid, Mild Plasma Cell, Moderate
* Lymph Node, Mesenteric		Depletion Lymphoid	Mild
* Mammary Gland [Fibroadenoma TGLS = 1-6A]	Alveolus	Fibroadenoma Hyperplasia Lactation	Mild Mild
* Nose	Olfactory Epi Nasolacrim Dct	Hyaline Droplet Inflammation	Mild Mild
* Ovary		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 349	TRT#: 2	SEX: Female	DAY ON TEST: 730
	DOSE: F1 2PPB	DISP: Moribund Sacrifice	HISTO: 021380300349

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Degeneration Inflammation	Minimal Chronic, Minimal
* Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Mild
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Minimal
* Vagina	Mucocyte	Hyperplasia Inflammation	Mild Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 350

TRT#: 7

SEX: Female

DAY ON TEST: 728

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300350

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* 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
* Liver	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 4-3]			
* Brain, Cerebellum		Hydrocephalus	Mild
* Clitoral Gland	Duct	Hyperplasia	Squamous, Mild
		Inflammation	Moderate
* Kidney		Nephropathy	Minimal
* Lung		Infiltration Cellular	Lymphocyte, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Atypical Focus	Mild
	Alveolus	Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 2-6A]			
* Spleen		Pigmentation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Hyperplasia	Atypical, Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 350

TRT#: 7

SEX: Female

DAY ON TEST: 728

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300350

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-2]

* Vagina

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 351

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: F1 50 PPB

DISP: Moribund Sacrifice

HISTO: 021380300351

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	* Oviduct	* Parathyroid Gland	* Salivary Glands
Skeletal Muscle	* Skin	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
[Degeneration TGLS = 5-1]			
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 8-3]			
* Clitoral Gland		Inflammation	Mild
[Inflammation TGLS = 2-2A]			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
* Liver		Degeneration	Cystic, Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Inflammation	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Minimal
		Lactation	Minimal
[Fibroadenoma TGLS = 1,6-6A+6B]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Marked
		Cyst	
		Hyperplasia	Sertoliform, Minimal
[Cyst TGLS = 3-2B]			
* Pancreas	Acinar Cell	Degeneration	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 351

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: F1 50 PPB

DISP: Moribund Sacrifice

HISTO: 021380300351

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 7-1]	Pars Distalis	Inflammation Adenoma	Chronic, Mild
Skel Muscle Note: TGL 9 - NCL			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Minimal
* Stomach, Glandular		Inflammation	Minimal
* Uterus [Hyperplasia TGLS = 4-2]	Endometrium	Hyperplasia Hyperplasia	Cystic, Mild Atypical, Focal, Mild
* Vagina	Mucocyte	Hyperplasia Inflammation	Mild Minimal

PRIMARY CAUSE OF DEATH

-

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma; Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 352

TRT#: 5

SEX: Female

DAY ON TEST: 730

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300352

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	* Liver	* Lung
* Lymph Node, Mesenteric	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 7-1]		Degeneration	Cystic, Marked
* Clitoral Gland [Dilatation TGLS = 3-2A] [Inflammation TGLS = 2-2A]	Duct	Dilatation Inflammation	Mild Mild
* Heart		Cardiomyopathy	Minimal
* Liver Note: TGL 9 - NCL			
Lymph Node [Carcinoma TGLS = 5-6C] [Degeneration TGLS = 8-15]	Lumbar	Carcinoma Degeneration	Metastatic (Thyroid Gland) Cystic, Marked
* Lymph Node, Mandibular		Hyperplasia Infiltration Cellular Adenocarcinoma Atypical Focus	Lymphoid, Mild Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Mild
	Alveolus	Hyperplasia Lactation	Mild Mild

Note: Wet tissue requested for TGL 1 on slide 6D

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 352	TRT#: 5	SEX: Female	DAY ON TEST: 730
	DOSE: F1/2PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300352

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenocarcinoma TGLS = 1-6D]			
[Fibroadenoma TGLS = 4-6B]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Moderate
	Corpus Luteum	Cyst	
[Cyst TGLS = 6-2B]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 11-1]			
* Skin			
Note: TGL 5 - noted grossly as Skin is Lymph Node			
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 10-5]			
* Uterus		Hyperplasia	Atypical, Focal, Minimal
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Thyroid Gland Follicular Cel Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 353

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300353

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	* Kidney
* Liver	* Lung	* Lymph Node, Mesenteric	* Nose
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Vagina		

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 5,6-1]		Degeneration	Cystic, Moderate
* Brain, Brain Stem [Compression TGLS = 10-3]		Compression	Mild
* Clitoral Gland		Hyperplasia Inflammation	Mild Mild
Ear [Neural Crest Tumor TGLS = 8-15]		Neural Crest Tumor	
* Harderian Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Lymph Node, Mandibular [Hyperplasia TGLS = 1-4] [Infiltration Cellular TGLS = 1-4]		Hyperplasia Infiltration Cellular	Lymphoid, Mild Plasma Cell, Mild
* Mammary Gland [Adenocarcinoma TGLS = 2-6A] [Fibroadenoma TGLS = 4-6B]	Alveolus	Adenocarcinoma Fibroadenoma Hyperplasia Lactation	Mild Mild
* Ovary		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 353	TRT#: 2	SEX: Female	DAY ON TEST: 728
	DOSE: F1 2PPB	DISP: Moribund Sacrifice	HISTO: 021380300353

ORGAN AND ACCOUNTABLE SITE STATUS

		Cyst	
[Cyst TGLS = 3-2B]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Skin		Inflammation	Moderate
[Inflammation TGLS = 7-6C]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Cyst	
* Uterus		Hyperplasia	Atypical, Focal, Minimal
		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Adenocarcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 354

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300354

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	* Oviduct	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Vagina

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Int Lg Cecum			
Note: TGL 5 - NCL			
* Kidney		Nephropathy	Minimal
* Liver		Vacuolization Cytoplasmic	Moderate
[Vacuolization Cytoplasmic TGLS = 1-9]			
* Lung			
Note: TGL 2 - NCL			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Atypical Focus	Minimal
	Alveolus	Hyperplasia	Marked
* Nose	Nasolacrim Dct	Inflammation	Minimal
Oral Mucosa		Keratin Cyst	
[Keratin Cyst TGLS = 6-14]			
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Skin		Inflammation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 354

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300354

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 3-6A]

* Spleen

Pigmentation

Mild

* Vagina

Note: Wet tissue attempted

PRIMARY CAUSE OF DEATH

- Oral Mucosa Keratin Cyst

Animal Note: TGL 6 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 355

TRT#: 3

SEX: Female

DAY ON TEST: 730

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300355

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, Mesenteric	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 4-1]		Degeneration	Cystic, Marked
* Clitoral Gland [Inflammation TGLS = 2-2A]		Inflammation	Marked
* Kidney		Mineralization	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Perivascular	Inflammation	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland [Fibroadenoma TGLS = 1,3-6A+6B]	Alveolus	Fibroadenoma Hyperplasia	Multiple Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy Cyst	Mild
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Vagina	Mucocyte	Hyperplasia Inflammation	Mild Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 358

TRT#: 3

SEX: Female

DAY ON TEST: 734

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300358

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, Mesenteric	* Nose
* Oviduct	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Clitoral Gland		Inflammation	Mild
* Harderian Gland			
Note: TGL 4 - NCL			
* Kidney		Cyst	
* Liver		Tension Lipidosis	Mild
[Tension Lipidosis TGLS = 3-9]			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 5,6-10+10A]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Minimal
[Fibroadenoma TGLS = 1,2-6A+6B]			
* Ovary		Atrophy	Mild
		Cyst	
* Pancreas	Acinar Cell	Degeneration	Mild
Skeletal Muscle	Head	Hyalinization	Focal, Mild
[Hyalinization TGLS = 7-15]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus		Hyperplasia	Atypical, Focal, Mild
* Vagina	Mucocyte	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:46

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 358

TRT#: 3

SEX: Female

DAY ON TEST: 734

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300358

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 363	TRT#: 7	SEX: Female	DAY ON TEST: 736
	DOSE: F1/50PPB TO CTL	DISP: Natural Death	HISTO: 021380300363

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 7-1] Skel Muscle Note: TGL 11 - NCL	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Moderate
* Urin Bladder Note: TGL 5 - NCL			
* Uterus [Hyperplasia TGLS = 3,4-2]	Endometrium	Hyperplasia	Cystic, Marked
* Vagina		Hemorrhage	Mild
	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 366	TRT#: 5 DOSE: F1/2PPB TO CTL	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 737 HISTO: 021380300366
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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, Mesenteric	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 5-3]			
* Clitoral Gland	Duct	Atrophy	Mild
		Dilatation	Mild
		Inflammation	Mild
[Atrophy TGLS = 1-2A]			
[Dilatation TGLS = 2-2A]			
[Inflammation TGLS = 2-2A]			
* Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 3-9]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
* Oviduct		Pigmentation	Mild
Note: Pigmentation is in the macrophages			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 366	TRT#: 5	SEX: Female	DAY ON TEST: 737
	DOSE: F1/2PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300366

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Inflammation	Moderate
[Inflammation TGLS = 6-6A]			
* Spleen		Pigmentation	Moderate
* Thymus		Hyperplasia	Lymphoid, Mild
* Thyroid Gland	C Cell	Adenoma	
* Vagina		Inflammation	Mild
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 369	TRT#: 3	SEX: Female	DAY ON TEST: 737
	DOSE: F1 10 PPB	DISP: Moribund Sacrifice	HISTO: 021380300369

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	* Kidney	* Lymph Node, Mesenteric	* Nose
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Marked
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 4-3]			
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Moderate
[Dilatation TGLS = 1-2A]			
[Inflammation TGLS = 1-2A]			
* Liver	Bile Duct	Hyperplasia	Minimal
Note: TGL 6 - NCL			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 5-10]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-6A]			
* Ovary		Atrophy	Moderate
		Hyperplasia	Sertoliform, Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 369	TRT#: 3	SEX: Female	DAY ON TEST: 737
	DOSE: F1 10 PPB	DISP: Moribund Sacrifice	HISTO: 021380300369

ORGAN AND ACCOUNTABLE SITE STATUS

* Vagina	Mucocyte	Hyperplasia Inflammation	Moderate Mild
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PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 370

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300370

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
* Oviduct	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy	Cystic, Mild Moderate
[Degeneration TGLS = 3-1]			
* Clitoral Gland	Duct	Dilatation Inflammation	Mild Mild
* Kidney		Cyst Mineralization Nephropathy	Minimal Minimal
Note: Wet tissue requested for TGL 4 on slide 11A			
[Cyst TGLS = 4-11+11A]			
* Liver		Vacuolization Cytoplasmic	Marked
[Vacuolization Cytoplasmic TGLS = 5-9]			
Lymph Node	Lumbar Lumbar	Degeneration Infiltration Cellular	Cystic, Moderate Plasma Cell, Mild
[Degeneration TGLS = 6-15]			
[Infiltration Cellular TGLS = 6-15]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Atypical Focus Fibroadenoma	Mild
	Alveolus	Hyperplasia Lactation	Moderate Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 370	TRT#: 6	SEX: Female	DAY ON TEST: 737
	DOSE: F1/10PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300370

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-6A]			
* Nose	Nasolacrim Dct	Inflammation	Mild
		Inflammation	Mild
Note: Squamous cell carcinoma observed in the nasal turbinates is recorded as Squamous cell carcinoma, Oral Mucosa.			
Oral Mucosa		Squamous Cell Carcinoma	
Note: Located on slide 14 with the routine section of nasal turbinates.			
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Skin		Fibrous Histiocytoma	
		Inflammation	Marked
[Fibrous Histiocytoma TGLS = 2-6B]			
[Inflammation TGLS = 7-6C]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Mild
* Thymus		Cyst	
* Thyroid Gland	C Cell	Adenoma	
* Vagina		Inflammation	Moderate
PRIMARY CAUSE OF DEATH			
	- Skin	Fibrous Histiocytoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 376

TRT#: 7

SEX: Female

DAY ON TEST: 738

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300376

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* 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	* Kidney
* Liver	* Lung	* Oviduct	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 2-1]		Degeneration	Cystic, Moderate
* Brain, Brain Stem [Compression TGLS = 6-3]		Compression	Moderate
* Brain, Cerebellum		Hydrocephalus	Minimal
* Clitoral Gland		Hyperplasia	Mild
* Heart [Cardiomyopathy TGLS = 7-6]		Cardiomyopathy	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland [Adenocarcinoma TGLS = 1-6A]	Alveolus	Adenocarcinoma Hyperplasia	Mild
* Nose	Olfactory Epi Nasolacrim Dct	Hyaline Droplet Inflammation Inflammation	Minimal Mild Minimal
* Ovary		Atrophy Hyperplasia	Marked Sertoliform, Mild
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Skin [Inflammation TGLS = 4-6B]		Inflammation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 376	TRT#: 7	SEX: Female	DAY ON TEST: 738
	DOSE: F1/50PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300376

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Hyperplasia	Atypical, Focal, Mild
[Hyperplasia TGLS = 3-2]			
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:46
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 377

TRT#: 5

SEX: Female

DAY ON TEST: 736

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300377

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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, Mesenteric
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Brain, Brain Stem [Compression TGLS = 6-3]		Compression	Moderate
* Clitoral Gland	Duct	Dilatation	Mild
* Eye Note: TGL 4 - NCL			
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung Note: TGL 7 - NCL			
Lymph Node [Infiltration Cellular TGLS = 8-15]		Infiltration Cellular	Plasma Cell, Marked
* Lymph Node, Mandibular [Infiltration Cellular TGLS = 2-4]		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland [Fibroadenoma TGLS = 3-6A]		Fibroadenoma Lactation	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy Cyst Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	Sertoliform, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 377	TRT#: 5	SEX: Female	DAY ON TEST: 736
	DOSE: F1/2PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300377

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 1-6B]			
* Spleen		Pigmentation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
* Vagina	Mucocyte	Hyperplasia	Minimal
		Inflammation	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 378

TRT#: 6

SEX: Female

DAY ON TEST: 738

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300378

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* 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	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Vagina

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Degeneration	Cystic, Moderate
[Degeneration TGLS = 2-1]			
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 8-3]			
* Brain, Cerebrum		Hydrocephalus	Mild
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Moderate
[Dilatation TGLS = 1-2A]			
[Inflammation TGLS = 1-2A]			
* Harderian Gland		Inflammation	Minimal
* Kidney		Cyst	
		Mineralization	Mild
* Liver	Bile Duct	Hyperplasia	Mild
	Periportal	Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 3,4-10A+10B]			
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 6-15]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 378	TRT#: 6	SEX: Female	DAY ON TEST: 738
	DOSE: F1/10PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300378

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland	Alveolus	Hyperplasia Lactation	Minimal Minimal
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy Cyst	Marked
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 10-6A]			
* Spleen		Pigmentation	Moderate
* Thymus		Cyst	
[Cyst TGLS = 5-4]			
* Uterus	Endometrium	Hyperplasia Metaplasia	Cystic, Mild Squamous, Minimal
[Hyperplasia TGLS = 7-2]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 379

TRT#: 2

SEX: Female

DAY ON TEST: 739

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300379

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* 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	* Liver	* Lung
* Lymph Node, Mesenteric	* Oviduct	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 1-3]			
* Kidney		Mineralization	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Moderate
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Spleen		Pigmentation	Minimal
* Thymus			
Note: Wet tissue attempted			
* Thyroid Gland		Ultimobranchial Cyst	Moderate
* Uterus	Endometrium	Hyperplasia	Mild
	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 379	TRT#: 2	SEX: Female	DAY ON TEST: 739
	DOSE: F1 2PPB	DISP: Moribund Sacrifice	HISTO: 021380300379

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 3-2]			
* Vagina	Mucocyte	Hyperplasia Inflammation	Mild Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 382

TRT#: 7

SEX: Female

DAY ON TEST: 742

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300382

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
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
[Hyperplasia TGLS = 4-1]			
* Clitoral Gland		Inflammation	Minimal
* Kidney		Nephropathy	Mild
[Polycystic Kidney TGLS = 5-11]		Polycystic Kidney	Mild
* Liver		Basophilic Focus	
Note: TGL 6 - NCL		Hematopoietic Cell Proliferation	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Adenocarcinoma	
[Adenocarcinoma TGLS = 2-6B]		Fibroadenoma	
[Fibroadenoma TGLS = 1-6A]	Alveolus	Hyperplasia	Moderate
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary	Corpus Luteum	Cyst	
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-9A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 382	TRT#: 7	SEX: Female	DAY ON TEST: 742
	DOSE: F1/50PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300382

ORGAN AND ACCOUNTABLE SITE STATUS

* Trachea		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Adenocarcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 391

TRT#: 7

SEX: Female

DAY ON TEST: 746

DOSE: F1/50PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300391

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	* Liver
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 4-1]			
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 2-3]			
* Clitoral Gland		Atrophy	Mild
[Keratin Cyst TGLS = 1-2A]		Keratin Cyst	
* Heart		Cardiomyopathy	Minimal
* Int Lg Colon			
Note: TGL 6 - NCL			
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Minimal
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 391	TRT#: 7	SEX: Female	DAY ON TEST: 746
	DOSE: F1/50PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300391

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Minimal
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
Note: TGL 6 - noted grossly as Uterus is Intestine Large, Colon [Hyperplasia TGLS = 5-2]			
* Vagina		Inflammation	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 392

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* 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, Mesenteric	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 5-3]			
* Kidney		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 6-10]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Hyperplasia TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland	Alveolus	Hyperplasia	Marked
* Nose	Nasolacrim Dct	Inflammation	Moderate
* Ovary		Atrophy	Mild
		Cyst	
[Cyst TGLS = 3-2B]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
Skel Muscle			
Note: TGL 7 - NCL			
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 392	TRT#: 6	SEX: Female	DAY ON TEST: 748
	DOSE: F1/10PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300392

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Cyst	
* Uterus	Endometrium	Adenoma	
[Adenoma TGLS = 2-2]			
* Vagina	Mucocyte	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 393	TRT#: 6	SEX: Female	DAY ON TEST: 748
	DOSE: F1/10PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300393

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Brain, Cerebellum	* Brain, Cerebrum
* Esophagus	* Heart	* Intestine Large, Rectum	* Stomach, Glandular
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Degeneration	Cystic, Mild
[Degeneration TGLS = 11-1]	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 21-1]		
* Bone Marrow	Lymphoma Malignant	
* Bone, Femur	Lymphoma Malignant	
* Brain, Brain Stem	Compression	Moderate
[Compression TGLS = 16-3]	Lymphoma Malignant	
* Clitoral Gland	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 20-2A]		
* Eye	Lymphoma Malignant	
* Harderian Gland	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 22-12]		
* Intestine Large, Cecum	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 23-8]		
* Intestine Large, Colon	Lymphoma Malignant	
* Intestine Small, Duodenum	Lymphoma Malignant	
* Intestine Small, Ileum	Lymphoma Malignant	
* Intestine Small, Jejunum	Lymphoma Malignant	
* Islets, Pancreatic	Lymphoma Malignant	
* Kidney	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 9-11+11A]		
* Liver	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 8,26,27-9+9A]		
* Lung	Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 393

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300393

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLS = 30-10]			
Lymph Node	Axillary	Lymphoma Malignant	
	Deep Cervical	Lymphoma Malignant	
	Inguinal	Lymphoma Malignant	
	Lumbar	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 15-15D]			
[Lymphoma Malignant TGLS = 14-15C]			
[Lymphoma Malignant TGLS = 10-15B]			
[Lymphoma Malignant TGLS = 7-15A]			
[Lymphoma Malignant TGLS = 4-15]			
[Lymphoma Malignant TGLS = 29-15E]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 2-4A]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 18-8]			
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Moderate
		Lactation	Mild
		Lymphoma Malignant	
[Fibroadenoma TGLS = 3-6B]			
[Lymphoma Malignant TGLS = 5-6C]			
* Nose		Lymphoma Malignant	
Oral Mucosa		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 31-15F]			
* Ovary		Atrophy	Marked
		Cyst	
		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 25-2B]			
* Oviduct		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 393

TRT#: 6

SEX: Female

DAY ON TEST: 748

DOSE: F1/10PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300393

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Lymphoma Malignant	
* Parathyroid Gland		Lymphoma Malignant	
* Pituitary Gland		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 17-1]			
* Salivary Glands		Lymphoma Malignant	
Skeletal Muscle		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 32-15G]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 1-6A]			
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 6-9A]			
* Stom Gland			
Note: TGL 19 - NST			
* Stomach, Forestomach		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 28-7]			
* Thymus		Lymphoma Malignant	
Note: TGL 12 - NST			
* Thyroid Gland		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 13-5]			
* Trachea		Lymphoma Malignant	
* Uterus		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 24-2]			
* Vagina	Mucocyte	Hyperplasia	Mild
		Inflammation	Minimal
		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

CONTRIBUTORY CAUSE OF DEATH - Kidney Lymphoma Malignant; Liver Lymphoma Malignant

Animal Note: TGL 31 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 394

TRT#: 2

SEX: Female

DAY ON TEST: 747

DOSE: F1 2PPB

DISP: Moribund Sacrifice

HISTO: 021380300394

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* 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	* Lymph Node, Mesenteric	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 1-1]		Degeneration	Cystic, Moderate
* Brain, Brain Stem [Compression TGLS = 3-3]		Carcinoma Compression	Metastatic (Pituitary Gland) Marked
* Harderian Gland Note: TGL 5 - NCL		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct Periportal	Hyperplasia Inflammation	Minimal Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Minimal
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
		Inflammation	Chronic, Minimal
* Pituitary Gland [Carcinoma TGLS = 2-1]	Pars Distalis	Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 394	TRT#: 2	SEX: Female	DAY ON TEST: 747
	DOSE: F1 2PPB	DISP: Moribund Sacrifice	HISTO: 021380300394

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Mild
* Uterus	Endometrium	Hyperplasia Inflammation	Cystic, Mild Minimal
[Hyperplasia TGLS = 4-2]			
* Vagina	Mucocyte	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 396

TRT#: 5

SEX: Female

DAY ON TEST: 748

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300396

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Esophagus	* Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Oviduct	* Pancreas
* Parathyroid Gland	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 4-1]		Degeneration	Cystic, Moderate
* Brain, Brain Stem [Compression TGLS = 10-3]		Compression Hemorrhage	Moderate Minimal
* Brain, Cerebellum		Hemorrhage	Minimal
* Brain, Cerebrum		Hemorrhage	Mild
* Clitoral Gland [Dilatation TGLS = 1-2A] [Inflammation TGLS = 1-2A]	Duct	Dilatation Inflammation	Mild Mild
* Harderian Gland		Hyperplasia	Mild
* Kidney Note: Wet tissue requested for left Kidney on slide 11A [Cyst TGLS = 5-11+11A]		Cyst Mineralization Nephropathy	Mild Mild
Lacrimal Gland Note: Wet tissue for left renal pelvis in block 11A			
* Liver [Inflammation TGLS = 6-9]	Oval Cell	Hyperplasia Inflammation Necrosis	Moderate Chronic Active, Marked Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 396	TRT#: 5 DOSE: F1/2PPB TO CTL	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 748 HISTO: 021380300396
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ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Hemorrhage Inflammation	Minimal Mild
Lymph Node	Lumbar	Hemorrhage	Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
	[Hemorrhage TGLS = 7-15]		
	[Infiltration Cellular TGLS = 7-15]		
* Lymph Node, Mandibular		Degeneration Infiltration Cellular	Cystic, Mild Plasma Cell, Moderate
	[Degeneration TGLS = 2-4]		
	[Infiltration Cellular TGLS = 2-4]		
* Lymph Node, Mesenteric		Hemorrhage	Mild
	[Hemorrhage TGLS = 9-8]		
* Mammary Gland	Alveolus	Hyperplasia Lactation	Minimal Minimal
* Nose	Goblet Cell Nasolacrim Dct	Hyperplasia Inflammation	Mild Mild
* Ovary	Interstit Cell	Atrophy Hyperplasia Hyperplasia	Marked Moderate Sertoliform, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 8-1]		
* Salivary Glands		Inflammation	Chronic, Moderate
* Skin		Inflammation	Marked
	[Inflammation TGLS = 3-6A]		
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Mild
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
* Vagina	Mucocyte	Hyperplasia Inflammation	Mild Mild

PRIMARY CAUSE OF DEATH - Liver Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 405

TRT#: 1

SEX: Female

DAY ON TEST: 756

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300405

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	* Oviduct	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Clitoral Gland	Duct	Dilatation	Minimal
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Vacuolization Cytoplasmic	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Note: TGL 4 - NCL			
[Infiltration Cellular TGLS = 5-10]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Mild
		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLS = 1,2-15+15A]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Moderate
		Cyst	
		Hyperplasia	Sertoliform, Minimal
[Cyst TGLS = 3-2B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 405	TRT#: 1	SEX: Female	DAY ON TEST: 756
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300405

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	Sebaceous Gl	Carcinoma	
Note: Carcinoma, sebaceous gland is adjacent to the Mammary Fibroadenoma on slide 15A			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Trachea		Inflammation	Mild
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 406

TRT#: 1

SEX: Female

DAY ON TEST: 756

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300406

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	* Liver	* Lymph Node, Mesenteric	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Atrophy Degeneration	Mild Cystic, Marked
[Atrophy TGLS = 4-1]			
[Degeneration TGLS = 2-1]			
* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland		Inflammation	Mild
* Kidney		Mineralization	Moderate
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 6-10A]			
* Lymph Node, Mandibular		Degeneration Infiltration Cellular	Cystic, Mild Plasma Cell, Mild
* Mammary Gland		Atypical Focus Fibroadenoma Hyperplasia	Minimal Multiple Mild
[Fibroadenoma TGLS = 1,3-15A+15]	Alveolus		
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Vagina	Mucocyte	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:47

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 406

TRT#: 1

SEX: Female

DAY ON TEST: 756

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300406

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 407	TRT#: 1	SEX: Female	DAY ON TEST: 756
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300407

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
* Vagina	Mucocyte	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 7 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:47

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 408

TRT#: 2

DOSE: F1 2PPB

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 756

HISTO: 021380300408

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, Mesenteric	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

MISSING

* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Clitoral Gland		Inflammation	Mild
Note: TGL 2 - NCL			
* Kidney		Cyst	
		Mineralization	Mild
		Nephropathy	Minimal
[Cyst TGLS = 5-11]			
* Liver		Inflammation	Chronic Active, Minimal
* Lung		Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLS = 7-10]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Adenocarcinoma	
		Atypical Focus	Mild
	Duct	Dilatation	Moderate
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Adenocarcinoma TGLS = 1-15]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 408	TRT#: 2	SEX: Female	DAY ON TEST: 756
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300408

ORGAN AND ACCOUNTABLE SITE STATUS

		Cyst	
		Hyperplasia	Sertoliform, Mild
[Cyst TGLS = 4-2B]			
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Spleen		Pigmentation	Moderate
* Urin Bladder			
Note: Wet tissue attempted			
* Uterus	Endometrium	Hyperplasia	Mild
	Endometrium	Hyperplasia	Cystic, Mild
		Hyperplasia	Atypical, Focal, Minimal
		Metaplasia	Squamous, Moderate
[Hyperplasia TGLS = 3-2]			
* Vagina	Mucocyte	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 409

TRT#: 2

SEX: Female

DAY ON TEST: 756

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300409

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	* Kidney	* Liver	* Lymph Node, Mesenteric
* Nose	* Oviduct	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Mild
* Clitoral Gland		Inflammation	Moderate
* Eye	Bilateral, Retina	Degeneration	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 10-10]			
Lymph Node	Lumbar	Degeneration	Cystic, Marked
	Renal	Degeneration	Cystic, Marked
	Lumbar	Hyperplasia	Lymphoid, Mild
	Renal	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
	Popliteal	Infiltration Cellular	Plasma Cell, Marked
	Renal	Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 4-15C]			
[Degeneration TGLS = 3-15B]			
[Hyperplasia TGLS = 4-15C]			
[Hyperplasia TGLS = 3-15B]			
[Infiltration Cellular TGLS = 3-15B]			
[Infiltration Cellular TGLS = 4-15C]			
[Infiltration Cellular TGLS = 6-15D]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 409	TRT#: 2	SEX: Female	DAY ON TEST: 756
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300409

ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolus	Fibroadenoma Hyperplasia Lactation	Multiple Mild Mild
	[Fibroadenoma TGLS = 1,2,9-15+15A+15E]		
* Ovary		Atrophy	Mild
	Corpus Luteum	Cyst	
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 7-1]		
* Skin		Inflammation	Marked
	[Inflammation TGLS = 8-6A]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Cyst	
* Thyroid Gland	C Cell	Adenoma	
	[Adenoma TGLS = 5-5]		
* Uterus		Hyperplasia	Atypical, Focal, Minimal
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 410

TRT#: 2

SEX: Female

DAY ON TEST: 756

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300410

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, Mesenteric	* Mammary Gland	* Oviduct
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Marked
* Eye	Bilateral, Retina	Degeneration	Mild
* Heart	Endocardium	Schwannoma Malignant	
* Kidney		Cyst	
* Liver		Infiltration Cellular	Lymphocyte, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLS = 3,4-10+10A]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
	[Infiltration Cellular TGLS = 1-4]		
* Nose	Olfactory Epi	Hyaline Droplet	Minimal
	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild
		Hyperplasia	Sertoliform, Mild
* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	
	[Polyp Stromal TGLS = 2,5-2+2C]		
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 411

TRT#: 2
DOSE: F1 2PPB

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 756
HISTO: 021380300411

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	* Liver	* Lung
* Oviduct	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Marked
* Harderian Gland		Inflammation	Minimal
* Kidney		Cyst	
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 1-15]			
[Hyperplasia TGLS = 1-15]			
[Infiltration Cellular TGLS = 1-15]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland	Duct	Dilatation	Moderate
* Nose	Olfactory Epi	Hyaline Droplet	Minimal
	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Hyperplasia	Atypical, Focal, Minimal
		Metaplasia	Squamous, Moderate
[Hyperplasia TGLS = 2-2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 411	TRT#: 2	SEX: Female	DAY ON TEST: 756
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300411

ORGAN AND ACCOUNTABLE SITE STATUS

* Vagina	Mucocyte	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 412

TRT#: 5

SEX: Female

DAY ON TEST: 756

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300412

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Adrenal Medulla

OBSERVATIONS

* Adren Medulla			
Note: No recut or wet tissue per pathologist (Medulla obscured by TGL 4)			
* Adrenal Cortex		Degeneration	Cystic, Marked
[Degeneration TGLS = 4-1]			
* Blood Vessel		Mineralization	Minimal
* Brain Stem			
Note: TGL 9 - NCL			
* Clitoral Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 2-2A]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Cyst	
[Cyst TGLS = 5-9]			
[Cyst Multilocular TGLS = 6,7-9A+9B]			
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 8-15A]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 412	TRT#: 5	SEX: Female	DAY ON TEST: 756
	DOSE: F1/2PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300412

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Infiltration Cellular	Plasma Cell, Moderate
		Infiltration Cellular	Plasma Cell, Mild
		Atypical Focus	Minimal
		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Minimal
	[Fibroadenoma TGLS = 1-15B]		
	[Hyperplasia TGLS = 12-15]		
* Nose	Nasolacrim Dct	Inflammation	Minimal
Oral Mucosa		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLS = 11-15C]		
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Mild
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 10-1]		
* Skin			
	Note: TGL 8 - noted grossly as Skin is Lymph Node, lumbar		
* Spleen		Pigmentation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Hyperplasia	Atypical, Focal, Mild
	[Hyperplasia TGLS = 3-2]		
* Vagina	Mucocyte	Hyperplasia	Mild
		Polyp	

PRIMARY CAUSE OF DEATH -

Animal Note: TGL 11 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 413

TRT#: 5

SEX: Female

DAY ON TEST: 756

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300413

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, Mesenteric	* Nose	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Degeneration	Cystic, Marked
[Adenoma TGLS = 2-1]			
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 3-3]			
* Clitoral Gland		Inflammation	Minimal
		Sarcoma	
[Sarcoma TGLS = 1-2A]			
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Atypical Focus	Mild
	Alveolus	Hyperplasia	Marked
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 5-15]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 413

TRT#: 5
DOSE: F1/2PPB TO CTL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 756
HISTO: 021380300413

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 6 - NCL

* Vagina

Mucocyte

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 414

TRT#: 5

SEX: Female

DAY ON TEST: 756

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300414

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	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Minimal
[Dilatation TGLS = 1-2A]			
* Eye	Retina	Degeneration	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Vacuolization Cytoplasmic	Mild
[Eosinophilic Focus TGLS = 6-9]			
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
		Infiltration Cellular	Plasma Cell, Marked
[Degeneration TGLS = 3-15A]			
[Infiltration Cellular TGLS = 2-15]			
[Infiltration Cellular TGLS = 3-15A]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Galactocele	
		Lactation	Mild
Note: TGL 2 - noted grossly as Mammary Gland is Lymph Node			
* Nose	Nasolacrim Dct	Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 414	TRT#: 5 DOSE: F1/2PPB TO CTL	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 756 HISTO: 021380300414
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ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy Hyperplasia	Marked Sertoliform, Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 4-6A]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
* Trachea		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia Hyperplasia Metaplasia	Cystic, Minimal Atypical, Focal, Minimal Squamous, Mild
* Vagina		Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 415

TRT#: 3

SEX: Female

DAY ON TEST: 756

DOSE: F1 10 PPB

DISP: Terminal Sacrifice

HISTO: 021380300415

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	* Kidney	* Oviduct	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy	Cystic, Moderate Mild
* Brain, Cerebrum		Oligodendroglioma Nos	
* Clitoral Gland		Inflammation	Mild
* Liver		Eosinophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 6-10]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Minimal
* Lymph Node, Mesenteric		Degeneration	Cystic, Mild
[Degeneration TGLS = 5-8]			
* Mammary Gland		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Moderate
[Fibroadenoma TGLS = 1,2-15A+15]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Pigmentation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Hyperplasia	Atypical, Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 415	TRT#: 3	SEX: Female	DAY ON TEST: 756
	DOSE: F1 10 PPB	DISP: Terminal Sacrifice	HISTO: 021380300415

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 3-2]		Metaplasia	Squamous, Mild
* Vagina	Mucocyte	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 416

TRT#: 3

SEX: Female

DAY ON TEST: 756

DOSE: F1 10 PPB

DISP: Terminal Sacrifice

HISTO: 021380300416

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
* Liver	* Lung	* Lymph Node, Mesenteric	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Clitoral Gland		Inflammation	Minimal
* Eye	Retina	Degeneration	Mild
* Harderian Gland		Inflammation	Mild
* Kidney		Degeneration	Mucoid, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,2,3-15B+15A+15]		
* Nose	Goblet Cell	Hyperplasia	Mild
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Uterus		Hyperplasia	Atypical, Focal, Minimal
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 417

TRT#: 6

SEX: Female

DAY ON TEST: 756

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300417

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	* Liver	* Lung	* Lymph Node, Mesenteric
* Nose	* Oviduct	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 9-1]		Degeneration	Cystic, Moderate
* Brain Stem Note: TGL 7 - NCL			
* Clitoral Gland		Inflammation	Mild
* Eye	Bilateral, Retina	Degeneration	Mild
* Kidney [Cyst TGLS = 5-11]		Cyst	
		Mineralization	Minimal
* Liver Note: TGL 10 - NST			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Moderate
	Alveolus	Fibroadenoma	Multiple
		Hyperplasia	Moderate
		Lactation	Moderate
[Fibroadenoma TGLS = 1,2,3,4,6-15+15A+15B+15C+15D]			
* Ovary		Atrophy	Marked
		Cyst	
		Hyperplasia	Sertoliform, Marked
* Pancreas	Acinar Cell	Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 417	TRT#: 6	SEX: Female	DAY ON TEST: 756
	DOSE: F1/10PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300417

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 8-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Minimal
* Uterus	Cervix	Hyperplasia	Mild
	Endometrium	Hyperplasia	Cystic, Mild
		Hyperplasia	Atypical, Focal, Mild
[Hyperplasia TGLS = 11-2]			
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 418

TRT#: 6

SEX: Female

DAY ON TEST: 756

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300418

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	* Kidney	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 4-1]		Degeneration	Cystic, Moderate
* Heart		Cardiomyopathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lung Note: TGL 7 - NCL [Alveolar/Bronchiolar Adenoma TGLS = 8-10]		Alveolar/Bronchiolar Adenoma	
Lymph Node Lumbar Lumbar Lumbar Note: TGL 2 - NCL Note: Pancreatic lymph node (TGL 2) missing - Wet tissue attempted [Degeneration TGLS = 3-15A] [Hyperplasia TGLS = 3-15A] [Infiltration Cellular TGLS = 3-15A]		Degeneration Hyperplasia Infiltration Cellular	Cystic, Moderate Lymphoid, Mild Plasma Cell, Moderate
* Lymph Node, Mandibular		Hyperplasia Infiltration Cellular	Lymphoid, Moderate Plasma Cell, Moderate
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus Fibroadenoma	Minimal
	Alveolus	Hyperplasia Lactation	Moderate Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 418	TRT#: 6	SEX: Female	DAY ON TEST: 756
	DOSE: F1/10PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300418

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-15B]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Moderate
		Hyperplasia	Sertoliform, Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 6-6A]			
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
	Endometrium	Hyperplasia	Minimal
		Hyperplasia	Atypical, Focal, Mild
* Vagina	Mucocyte	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 419

TRT#: 4

SEX: Female

DAY ON TEST: 756

DOSE: F1 50 PPB

DISP: Terminal Sacrifice

HISTO: 021380300419

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* 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	* Lymph Node, Mesenteric	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea		

MISSING

* Urinary Bladder	* Vagina
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OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 3-1]		Degeneration	Cystic, Marked
* Brain, Brain Stem [Compression TGLS = 6-3]		Compression	Moderate
* Eye		Cataract	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Tension Lipidosis	
* Lung [Infiltration Cellular TGLS = 8-10]		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Adenocarcinoma	
		Atypical Focus	Mild
	Duct	Dilatation	Marked
		Galactocele	
	Alveolus	Hyperplasia	Moderate
		Lactation	Moderate
[Adenocarcinoma TGLS = 2-15A]			
[Galactocele TGLS = 1-15]			
* Nose	Nasolacrim Dct	Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 419	TRT#: 4	SEX: Female	DAY ON TEST: 756
	DOSE: F1 50 PPB	DISP: Terminal Sacrifice	HISTO: 021380300419

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
		Cyst	
* Pancreas	Acinar Cell	Degeneration	Moderate
		Lipomatosis	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 5-1]		
* Skin			
	Note: TGL 7 - NCL		
* Spleen		Pigmentation	Mild
* Thyroid Gland		Ultimobranchial Cyst	Mild
* Urin Bladder			
	Note: No recut or wet tissue per pathologist (Missing at trim)		
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
	Note: TGL 4 - NCL		
* Vagina			
	Note: No recut or wet tissue per pathologist (Missing at trim)		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 420	TRT#: 4	SEX: Female	DAY ON TEST: 756
	DOSE: F1 50 PPB	DISP: Terminal Sacrifice	HISTO: 021380300420

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, Mesenteric	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Urinary Bladder	* Vagina	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 2-3]			
* Clitoral Gland		Inflammation	Mild
* Harderian Gland		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver	Periportal	Inflammation	Chronic, Minimal
* Lung			
Note: TGL 5 - NCL			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Atypical Focus	Minimal
	Duct	Dilatation	Mild
	Alveolus	Fibroadenoma	
		Hyperplasia	Moderate
		Lactation	Mild
[Fibroadenoma TGLS = 1-15]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 420	TRT#: 4	SEX: Female	DAY ON TEST: 756
	DOSE: F1 50 PPB	DISP: Terminal Sacrifice	HISTO: 021380300420

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Moderate
* Thymus		Cyst	
* Trachea		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Hyperplasia	Atypical, Focal, Minimal

[Hyperplasia TGLS = 4-2]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 421

TRT#: 4

SEX: Female

DAY ON TEST: 756

DOSE: F1 50 PPB

DISP: Terminal Sacrifice

HISTO: 021380300421

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, Mesenteric	* Nose	* Oviduct
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Clitoral Gland		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 1-2A]			
* Harderian Gland		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
Note: TGL 3 - NCL			
* Lung		Infiltration Cellular	Histiocyte, Marked
[Infiltration Cellular TGLS = 4-10]		Inflammation	Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Mild
		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLS = 2-15]			
* Ovary		Atrophy	Mild
		Hyperplasia	Sertoliform, Mild
* Pancreas	Acinar Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 421	TRT#: 4	SEX: Female	DAY ON TEST: 756
	DOSE: F1 50 PPB	DISP: Terminal Sacrifice	HISTO: 021380300421

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland Note: Recut attempted			
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Mild
* Thymus		Cyst	
* Uterus		Hyperplasia	Atypical, Focal, Mild
		Metaplasia	Squamous, Mild
* Vagina	Mucocyte	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 422	TRT#: 7	SEX: Female	DAY ON TEST: 756
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300422

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	* Liver	* Lung
* Lymph Node, Mesenteric	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Minimal
* Kidney		Mineralization	Mild
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland	Alveolus	Atypical Focus	Minimal
		Hyperplasia	Moderate
Note: TGL 1 - noted grossly as Mammary Gland is Skin			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Cyst	
		Hyperplasia	Sertoliform, Moderate
[Cyst TGLS = 2-2B]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Skin	Subcut Tiss	Lipoma	
[Lipoma TGLS = 1-15]			
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Vagina	Mucocyte	Hyperplasia	Mild
		Inflammation	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 423

TRT#: 7

SEX: Female

DAY ON TEST: 756

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300423

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	* Lung	* Lymph Node, Mesenteric
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 6-3]			
* Clitoral Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
		Inflammation	Moderate
[Dilatation TGLS = 3-2A]			
[Inflammation TGLS = 3-2A]			
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Duct	Dilatation	Mild
		Fibroadenoma	
		Fibrosis	Moderate
	Duct	Inflammation	Mild
[Dilatation TGLS = 1-15]			
[Fibroadenoma TGLS = 2-15A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 423

TRT#: 7

SEX: Female

DAY ON TEST: 756

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300423

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 1-15]

* Nose	Nasolacrim Dct	Inflammation	Mild
Note: Keratin cyst observed in the nasal turbinates is recorded as Keratin cyst, Oral Mucosa.			
Oral Mucosa		Keratin Cyst	
Note: Located on slide 14 with the routine section of nasal turbinates.			
* Ovary		Atrophy	Marked
		Cyst	
		Hyperplasia	Sertoliform, Minimal

[Cyst TGLS = 4-2B]

* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

[Adenoma TGLS = 5-1]

* Skin		Inflammation	Marked
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[Inflammation TGLS = 7-6A]

* Spleen		Pigmentation	Mild
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* Thymus			
Note: Re-embed attempted			

* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Hyperplasia	Atypical, Focal, Minimal

* Vagina	Mucocyte	Hyperplasia	Mild
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 450

TRT#: 5

SEX: Female

DAY ON TEST: 752

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300450

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, Mesenteric	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Mild
[Inflammation TGLS = 3-2A]			
* Eye	Retina	Degeneration	Minimal
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Liver	Median Lobe	Degeneration	Cystic, Moderate
		Developmental Malformation	
Note: TGL 7 - NCL			
[Degeneration TGLS = 9-9]			
[Developmental Malformation TGLS = 8-9A]			
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 6-15]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-6A]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 450

TRT#: 5

SEX: Female

DAY ON TEST: 752

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300450

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 4-2B]			
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 11-1]			
* Skin		Cyst Epithelial Inclusion Inflammation	Marked
[Cyst Epithelial Inclusion TGLS = 2-6B]			
[Inflammation TGLS = 10-6C]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 5-9]			
* Stomach, Forestomach		Hyperplasia	Mild
[Hyperplasia TGLS = 12-7]			
* Thymus			
Note: Recut / Wet tissue attempted			
* Uterus		Hyperplasia Metaplasia	Atypical, Focal, Mild Squamous, Minimal
* Vagina	Mucocyte	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 453

TRT#: 3

SEX: Female

DAY ON TEST: 754

DOSE: F1 10 PPB

DISP: Moribund Sacrifice

HISTO: 021380300453

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
* Kidney	* Lung	* Lymph Node, Mesenteric	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Vagina			

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 4-3]			
* Clitoral GI			
Note: No recut per pathologist (Obscured by TGL 1)			
Note: TGL 1 - noted grossly as Clitoral Gland is Mammary Gland			
* Harderian Gland		Inflammation	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Adenocarcinoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Minimal
[Adenocarcinoma TGLS = 1-2A]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Marked
		Cyst	
	Interstit Cell	Hyperplasia	Moderate
[Cyst TGLS = 2-2B]			
* Pancreas	Acinar Cell	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 453	TRT#: 3	SEX: Female	DAY ON TEST: 754
	DOSE: F1 10 PPB	DISP: Moribund Sacrifice	HISTO: 021380300453

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 3-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Minimal
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Moderate
		Hyperplasia	Atypical, Focal, Mild
		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 459

TRT#: 1

SEX: Female

DAY ON TEST: 757

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300459

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	* Liver	* Lung
* Lymph Node, Mesenteric	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Clitoral Gland		Inflammation	Mild
[Inflammation TGLS = 1-2A]			
* Kidney		Nephropathy	Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Hyperplasia	Lymphoid, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 5-15C]			
[Hyperplasia TGLS = 5-15C]			
[Infiltration Cellular TGLS = 5-15C]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Mild
		Fibroadenoma	
	Alveolus	Hyperplasia	Moderate
		Lactation	Mild
[Fibroadenoma TGLS = 2-15A]			
[Hyperplasia TGLS = 3-15B]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-15]			
* Nose	Nasolacrim Dct	Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 459	TRT#: 1	SEX: Female	DAY ON TEST: 757
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300459

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy Cyst	Marked
* Pituitary Gland [Adenoma TGLS = 7-1]	Pars Distalis	Hyperplasia Adenoma	Sertoliform, Minimal
* Skin [Inflammation TGLS = 6-6A]		Inflammation	Marked
* Spleen		Pigmentation	Minimal
* Thymus		Cyst	
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 460

TRT#: 2

SEX: Female

DAY ON TEST: 757

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300460

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, Mesenteric	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy	Cystic, Moderate Moderate
[Degeneration TGLS = 8-1]			
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 10-3]			
* Clitoral Gland		Inflammation	Minimal
* Eye		Cataract	
* Kidney		Mineralization Nephropathy	Minimal Minimal
* Liver		Infiltration Cellular	Lymphocyte, Minimal
* Lym Node Mesen Note: TGL 11 - NCL			
* Lymph Node, Mandibular		Degeneration Infiltration Cellular	Cystic, Moderate Plasma Cell, Moderate
[Degeneration TGLS = 6-4]			
* Mammary Gland		Atypical Focus	Mild
	Duct	Dilatation Fibroadenoma Galactocele	Moderate Multiple
	Alveolus	Hyperplasia Lactation	Marked Moderate
[Fibroadenoma TGLS = 1,2,3,4,5-15+15A+15B+15C+15D]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 460	TRT#: 2	SEX: Female	DAY ON TEST: 757
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300460

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 9-1]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Cyst	
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 7-2]		
* Vagina		Inflammation	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 461

TRT#: 2

SEX: Female

DAY ON TEST: 757

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300461

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
* Oviduct	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Clitoral Gland		Atrophy	Mild
	Duct	Dilatation	Mild
		Inflammation	Mild
[Dilatation TGLS = 1-2A]			
[Inflammation TGLS = 1-2A]			
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung			
Note: TGL 3 - NCL			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
[Fibroadenoma TGLS = 2-15]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild
		Cyst	
		Hyperplasia	Sertoliform, Minimal
* Pancreas		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 461

TRT#: 2

SEX: Female

DAY ON TEST: 757

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300461

ORGAN AND ACCOUNTABLE SITE STATUS

* Vagina

Mucocyte

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 462	TRT#: 2	SEX: Female	DAY ON TEST: 757
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300462

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, Mesenteric	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
		Hypertrophy	Mild
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 4-3]			
* Clitoral Gland		Atrophy	Moderate
	Duct	Dilatation	Moderate
		Inflammation	Minimal
* Eye	Bilateral, Retina	Degeneration	Moderate
* Kidney		Mineralization	Mild
* Liver	Bile Duct	Hyperplasia	Mild
	Periportal	Inflammation	Chronic, Minimal
		Vacuolization Cytoplasmic	Mild
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Hyperplasia	Lymphoid, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 2-15]			
[Hyperplasia TGLS = 2-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Adenocarcinoma	
		Atypical Focus	Moderate
	Alveolus	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 462	TRT#: 2	SEX: Female	DAY ON TEST: 757
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300462

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenocarcinoma TGLS = 1-15A]		Lactation	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Spleen		Pigmentation	Minimal
* Thymus		Cyst	
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 463

TRT#: 2

SEX: Female

DAY ON TEST: 757

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300463

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	* Oviduct	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Moderate
	[Dilatation TGLS = 1-2A]		
	[Inflammation TGLS = 1-2A]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Liver	Periportal	Inflammation	Chronic, Minimal
		Vacuolization Cytoplasmic	Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Marked
	Lumbar	Infiltration Cellular	Plasma Cell, Mild
	[Degeneration TGLS = 4-15A]		
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
* Mammary Gland		Atypical Focus	Mild
		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
	[Fibroadenoma TGLS = 2-15]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 463	TRT#: 2 DOSE: F1 2PPB	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 757 HISTO: 021380300463
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ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy Cyst	Moderate
* Pancreas	Acinar Cell	Degeneration	Minimal
* Parathyroid Gland			
Note: Recut attempted			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 6-6A]			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Minimal
* Thymus		Cyst	
* Uterus		Hyperplasia	Atypical, Focal, Minimal
Note: TGL 3 - NCL			
* Vagina	Mucocyte	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 464

TRT#: 2

SEX: Female

DAY ON TEST: 757

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300464

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
* Kidney	* Oviduct	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Degeneration	Cystic, Mild
* Clitoral Gland		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 1-2A]			
* Eye	Retina	Degeneration	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Liver	Bile Duct	Eosinophilic Focus	
[Eosinophilic Focus TGLS = 2-9]		Hyperplasia	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
Note: TGL 4 is on slide 10 (normal lung section) not 10A		Infiltration Cellular	Histiocyte, Mild
[Alveolar/Bronchiolar Adenoma TGLS = 3-10]			
[Infiltration Cellular TGLS = 4-10]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
		Pigmentation	Mild
* Mammary Gland		Adenocarcinoma	
	Alveolus	Atypical Focus	Mild
		Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 464	TRT#: 2	SEX: Female	DAY ON TEST: 757
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300464

ORGAN AND ACCOUNTABLE SITE STATUS

Note: The Adenocarcinoma is on slide 2A adjacent to the Clitoral Gland

* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Mild
		Hyperplasia	Sertoliform, Minimal
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Vagina	Mucocyte	Hyperplasia	Mild
		Inflammation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 465

TRT#: 5

SEX: Female

DAY ON TEST: 757

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300465

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	* Liver	* Lung
* Lymph Node, Mesenteric	* Oviduct	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
[Degeneration TGLS = 4-1]			
* Clitoral Gland		Inflammation	Mild
* Kidney		Nephropathy	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Minimal
	Alveolus	Fibroadenoma	Multiple
		Hyperplasia	Mild
		Lactation	Minimal
[Fibroadenoma TGLS = 1,2,3-15+15A+15B]			
* Nose		Inflammation	Mild
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5,6-1]			
* Spleen		Pigmentation	Mild
* Thyroid Gland		Ultimobranchial Cyst	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Hyperplasia	Atypical, Focal, Minimal
		Metaplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 465

TRT#: 5

SEX: Female

DAY ON TEST: 757

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300465

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 7-2]

* Vagina

Mucocyte

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 466

TRT#: 5

SEX: Female

DAY ON TEST: 757

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300466

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, Mesenteric	* Nose	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 5-3]			
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
* Liver		Angiectasis	Mild
	Bile Duct	Hyperplasia	Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Ovary		Atrophy	Marked
		Cyst	
[Cyst TGLS = 1-2B]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 3-6A]			
* Spleen		Pigmentation	Minimal
* Thymus		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 466	TRT#: 5	SEX: Female	DAY ON TEST: 757
	DOSE: F1/2PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300466

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Endometrium	Hyperplasia Hyperplasia Polyp Stromal	Cystic, Mild Atypical, Focal, Mild
[Polyp Stromal TGLS = 4-2]			
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 467

TRT#: 5

SEX: Female

DAY ON TEST: 757

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300467

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, Mesenteric	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
[Degeneration TGLS = 5-1]			
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 6-3]			
* Clitoral Gland		Inflammation	Mild
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Mild
	Capsule	Hemorrhage	Focal, Mild
		Vacuolization Cytoplasmic	Mild
[Hemorrhage TGLS = 8-9]			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 9-10]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Mild
		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 467

TRT#: 5

SEX: Female

DAY ON TEST: 757

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300467

ORGAN AND ACCOUNTABLE SITE STATUS

		Lactation	Mild
[Fibroadenoma TGLS = 2,3-15+15A]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Minimal
* Pancreas		Lipomatosis	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 1-6A]			
* Stomach, Forestomach		Edema	Mild
* Thymus		Cyst	
* Uterus	Endometrium	Adenoma	
		Hyperplasia	Atypical, Focal, Minimal
[Adenoma TGLS = 4-2]			
* Vagina	Mucocyte	Hyperplasia	Minimal
		Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 468

TRT#: 3

SEX: Female

DAY ON TEST: 757

DOSE: F1 10 PPB

DISP: Terminal Sacrifice

HISTO: 021380300468

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	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Clitoral Gland		Atrophy	Moderate
	Duct	Dilatation	Moderate
		Inflammation	Minimal
[Dilatation TGLS = 2-2A]			
* Eye	Retina	Degeneration	Mild
* Kidney		Mineralization	Moderate
* Liver		Infiltration Cellular	Lymphocyte, Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Hyperplasia	Lymphoid, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 5-15B]			
[Hyperplasia TGLS = 5-15B]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 4-4]			
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
[Fibroadenoma TGLS = 3-15A]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Mild
	Corpus Luteum	Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 468	TRT#: 3	SEX: Female	DAY ON TEST: 757
	DOSE: F1 10 PPB	DISP: Terminal Sacrifice	HISTO: 021380300468

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 7-1]	Pars Distalis	Adenoma	
* Skin Note: TGL 1 - NCL [Inflammation TGLS = 6-6A]		Inflammation	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Vagina	Mucocyte	Hyperplasia	Mild
		Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 469

TRT#: 3

SEX: Female

DAY ON TEST: 757

DOSE: F1 10 PPB

DISP: Terminal Sacrifice

HISTO: 021380300469

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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, Mesenteric	* Oviduct	* Pancreas	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Urinary Bladder
* Vagina			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
* Brain, Brain Stem		Compression	Moderate
		Hemorrhage	Mild
		Hydrocephalus	Mild
[Compression TGLS = 6-3]			
* Clitoral Gland		Atrophy	Moderate
	Duct	Dilatation	Moderate
		Inflammation	Minimal
[Dilatation TGLS = 1-2A]			
* Eye	Retina	Degeneration	Mild
* Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Periportal	Inflammation	Chronic, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 8-4]			
* Mammary Gland		Atypical Focus	Minimal
		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Mild
[Fibroadenoma TGLS = 2,3-15+15A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 469	TRT#: 3	SEX: Female	DAY ON TEST: 757
	DOSE: F1 10 PPB	DISP: Terminal Sacrifice	HISTO: 021380300469

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy Cyst	Marked
* Parathyroid Gland			
Note: Recut attempted			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 4-15B]			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Mild
* Thymus		Cyst	
* Trachea		Inflammation	Minimal
* Uterus		Atrophy	Mild
[Atrophy TGLS = 7-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 470

TRT#: 6

SEX: Female

DAY ON TEST: 757

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300470

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	* Lung	* Lymph Node, Mesenteric
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Eye	Bilateral, Retina	Degeneration	Moderate
* Int Lg Colon			
Note: TGL 10 - NCL			
* Kidney		Cyst	
		Mineralization	Mild
[Cyst TGLS = 4-11]			
* Liver		Angiectasis	Mild
		Cyst	
	Bile Duct	Hyperplasia	Minimal
[Angiectasis TGLS = 5-9]			
[Cyst TGLS = 6,7-9+9A]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLS = 1,2-15+15A]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
	Interstit Cell	Hyperplasia	Moderate
		Hyperplasia	Sertoliform, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 470	TRT#: 6	SEX: Female	DAY ON TEST: 757
	DOSE: F1/10PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300470

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Spleen		Pigmentation	Minimal
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 9-5]			
* Trachea		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Hyperplasia	Atypical, Focal, Mild
		Polyp Stromal	
Note: TGL 10 - noted grossly as Uterus is Intestine large, Colon			
[Hyperplasia TGLS = 3-2]			
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 471

TRT#: 6

SEX: Female

DAY ON TEST: 757

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300471

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
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mesenteric
* Nose	* Oviduct	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum		Leiomyoma	
[Leiomyoma TGLS = 3-8A]			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland		Adenocarcinoma	
[Adenocarcinoma TGLS = 2-15]			
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Moderate
* Pancreas	Acinar Cell	Degeneration	Minimal
* Parathyroid Gland			
Note: Recut attempted			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Skin			
Note: TGL 2 - noted grossly as Skin is Mammary Gland			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 471

TRT#: 6

SEX: Female

DAY ON TEST: 757

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300471

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

* Vagina

Mucocyte

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 472

TRT#: 6

SEX: Female

DAY ON TEST: 757

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300472

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	* Lymph Node, Mesenteric	* Oviduct	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
[Hypertrophy TGLS = 6-1]			
* Brain Stem			
Note: TGL 9 - NCL			
* Clitoral Gland		Hyperplasia	Mild
		Inflammation	Minimal
* Eye	Bilateral, Retina	Degeneration	Mild
* Kidney		Cyst	
		Hydronephrosis	Moderate
		Mineralization	Mild
		Nephropathy	Minimal
[Hydronephrosis TGLS = 7-11]			
* Liver		Inflammation	Chronic Active, Minimal
* Lung	Artery	Mineralization	Mild
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 5-15D]			
[Hyperplasia TGLS = 5-15D]			
[Infiltration Cellular TGLS = 5-15D]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 472	TRT#: 6	SEX: Female	DAY ON TEST: 757
	DOSE: F1/10PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300472

ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolus	Hyperplasia	Moderate
		Lactation	Mild
	[Fibroadenoma TGLS = 1,2,3,4-15+15A+15B+15C]		
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Moderate
		Hyperplasia	Sertoliform, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 8-1]		
* Skin		Inflammation	Marked
	[Inflammation TGLS = 10-6A]		
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Mild
* Vagina	Mucocyte	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 473

TRT#: 6

SEX: Female

DAY ON TEST: 757

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300473

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	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 2-1]		Degeneration	Cystic, Moderate
* Kidney		Mineralization Nephropathy	Mild Minimal
* Liver	Bile Duct Periportal	Hyperplasia Inflammation Infiltration Cellular	Minimal Chronic, Minimal Plasma Cell, Moderate
* Lymph Node, Mandibular [Infiltration Cellular TGLS = 1-4]			
* Mammary Gland	Duct Alveolus	Atypical Focus Dilatation Hyperplasia Lactation	Mild Mild Mild Mild
* Nose Oral Mucosa [Squamous Cell Carcinoma TGLS = 4-15]	Goblet Cell	Hyperplasia Squamous Cell Carcinoma	Moderate
* Ovary		Atrophy Cyst	Mild
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 473	TRT#: 6	SEX: Female	DAY ON TEST: 757
	DOSE: F1/10PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300473

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 3-2]			
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 4 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 474

TRT#: 4

SEX: Female

DAY ON TEST: 757

DOSE: F1 50 PPB

DISP: Terminal Sacrifice

HISTO: 021380300474

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	* Liver	* Lymph Node, Mesenteric
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Vagina			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Liver			
Note: TGL 3 - NCL			
* Lung		Hemorrhage	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Mild
		Fibroadenoma	
		Lactation	Mild
[Fibroadenoma TGLS = 1-15]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Marked
		Cyst	
		Hyperplasia	Sertoliform, Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach		Hyperplasia	Mild
* Thymus		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 474	TRT#: 4	SEX: Female	DAY ON TEST: 757
	DOSE: F1 50 PPB	DISP: Terminal Sacrifice	HISTO: 021380300474

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Endometrium	Adenoma Hyperplasia Metaplasia	Atypical, Focal, Minimal Squamous, Minimal
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[Adenoma TGLS = 2-2]

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:47

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 475

TRT#: 4

DOSE: F1 50 PPB

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 757

HISTO: 021380300475

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	* Liver	* Lymph Node, Mesenteric
* Nose	* Oviduct	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 7-1]		Degeneration	Cystic, Moderate
* Clitoral Gland [Dilatation TGLS = 4-2A] [Inflammation TGLS = 4-2A]	Duct	Dilatation Inflammation	Mild Mild
* Kidney		Infiltration Cellular Mineralization	Lymphocyte, Minimal Mild
* Lung Note: TGL 6 - NCL [Infiltration Cellular TGLS = 8,9-10B+10C]		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Hyperplasia Infiltration Cellular	Lymphoid, Mild Plasma Cell, Mild
* Mammary Gland [Fibroadenoma TGLS = 1,2,3-15+15A+15B]	Alveolus	Fibroadenoma Hyperplasia	Multiple Moderate
Mesentery [Necrosis TGLS = 5-15C]	Fat	Necrosis	Mild
* Ovary		Atrophy Hyperplasia	Moderate Sertoliform, Moderate
* Pancreas	Acinar Cell	Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 475	TRT#: 4	SEX: Female	DAY ON TEST: 757
	DOSE: F1 50 PPB	DISP: Terminal Sacrifice	HISTO: 021380300475

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Mild
* Uterus	Endometrium	Hyperplasia	Mild
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 476

TRT#: 4

SEX: Female

DAY ON TEST: 757

DOSE: F1 50 PPB

DISP: Terminal Sacrifice

HISTO: 021380300476

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, Mesenteric	* Nose	* Oviduct	* Pancreas
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
[Degeneration TGLS = 5-1]			
* Clitoral Gland		Inflammation	Marked
[Inflammation TGLS = 3-2A]			
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Mineralization	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Minimal
		Fibroadenoma	Multiple
		Galactocele	
	Alveolus	Hyperplasia	Moderate
		Lactation	Minimal
[Fibroadenoma TGLS = 1,2-15+15A]			
* Ovary		Atrophy	Mild
		Hyperplasia	Sertoliform, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 476	TRT#: 4	SEX: Female	DAY ON TEST: 757
	DOSE: F1 50 PPB	DISP: Terminal Sacrifice	HISTO: 021380300476

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland

Note: Recut attempted

* Pituitary Gland

[Adenoma TGLS = 4-1]

Pars Distalis

Adenoma

* Spleen

Pigmentation

Mild

* Uterus

Endometrium

Hyperplasia

Mild

* Vagina

Mucocyte

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 477

TRT#: 7

SEX: Female

DAY ON TEST: 757

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300477

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
* Oviduct	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy Inflammation	Cystic, Mild Mild Minimal
* Clitoral Gland			
* Eye	Bilateral, Retina	Degeneration Inflammation	Mild Minimal
* Harderian Gland		Mineralization Nephropathy	Minimal Minimal
* Kidney		Inflammation	Chronic, Minimal
* Liver	Periportal	Infiltration Cellular	Histiocyte, Mild
* Lung			
[Infiltration Cellular TGLS = 3-10]			
* Lymph Node, Mandibular		Degeneration Infiltration Cellular	Cystic, Mild Plasma Cell, Moderate
[Degeneration TGLS = 4-4]			
[Infiltration Cellular TGLS = 4-4]			
* Lymph Node, Mesenteric		Degeneration	Cystic, Minimal
* Mammary Gland	Alveolus	Hyperplasia Lactation	Mild Minimal
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy Cyst	Mild
[Cyst TGLS = 1-2B]			
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 477	TRT#: 7	SEX: Female	DAY ON TEST: 757
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300477

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus [Polyp Stromal TGLS = 2-2]		Polyp Stromal	
* Vagina	Mucocyte	Hyperplasia Inflammation	Minimal Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 478

TRT#: 7

SEX: Female

DAY ON TEST: 757

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300478

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Oviduct
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Clitoral Gland	Duct	Hyperplasia	Squamous, Mild
		Inflammation	Moderate
[Inflammation TGLS = 1-2A]			
* Eye	Bilateral, Retina	Degeneration	Mild
* Kidney		Cyst	
		Mineralization	Mild
		Nephropathy	Minimal
[Cyst TGLS = 5-11]			
* Liver		Cholangioma	
		Cyst Multilocular	
[Cholangioma TGLS = 6-9]			
[Cyst Multilocular TGLS = 7-9]			
* Lung		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Minimal
Note: Wet tissue requested for TGL 8 on slide 10A			
[Infiltration Cellular TGLS = 8-10A]			
* Mammary Gland		Atypical Focus	Minimal
		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Minimal
[Fibroadenoma TGLS = 2,3-15+15A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 478	TRT#: 7	SEX: Female	DAY ON TEST: 757
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300478

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Cyst	
[Cyst TGLS = 4-2B]			
* Spleen		Pigmentation	Minimal
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 479

TRT#: 7

SEX: Female

DAY ON TEST: 757

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300479

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	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Clitoral GI			
Note: Missing at trim			
* Heart	Endocardium	Hyperplasia	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Mineralization	Moderate
* Liver		Angiectasis	Mild
		Vacuolization Cytoplasmic	Moderate
Note: Wet tissue requested for TGL 4 on slide 9A			
[Angiectasis TGLS = 4-9A]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Mild
		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
[Fibroadenoma TGLS = 3-15]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild
		Hyperplasia	Sertoliform, Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 479	TRT#: 7	SEX: Female	DAY ON TEST: 757
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300479

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 1-6A]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 506

TRT#: 1

SEX: Female

DAY ON TEST: 757

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300506

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	* Liver
* Lung	* Lymph Node, Mesenteric	* Nose	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
[Degeneration TGLS = 8-1]			
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 12-3]			
* Clitoral Gland		Inflammation	Minimal
* Harderian Gland		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
[Cyst TGLS = 9-11]		Mineralization	Moderate
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 10-15]			
[Infiltration Cellular TGLS = 10-15]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Adenocarcinoma	
		Atypical Focus	Minimal
		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Moderate
[Adenocarcinoma TGLS = 6-15D]			
[Fibroadenoma TGLS = 3,4,7-15A+15B+15E]			
[Hyperplasia TGLS = 5-15C]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 506

TRT#: 1

SEX: Female

DAY ON TEST: 757

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300506

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 11-1]		
* Skin		Inflammation	Marked
	[Inflammation TGLS = 1,2-6A+6B]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Cyst	
* Uterus		Hyperplasia	Atypical, Focal, Minimal
		Metaplasia	Squamous, Minimal
	Note: TGL 13 - NCL		
* Vagina	Mucocyte	Hyperplasia	Mild
		Inflammation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 507 **TRT#:** 1 **SEX:** Female **DAY ON TEST:** 757
DOSE: F1 0PPB **DISP:** Terminal Sacrifice **HISTO:** 021380300507

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, Mesenteric	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 3-1]		Degeneration	Cystic, Marked
* Brain, Brain Stem [Compression TGLS = 5-3]		Compression	Mild
* Clitoral Gland		Inflammation	Moderate
* Harderian Gland		Hyperplasia	Minimal
		Inflammation	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Cyst Multilocular	
	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Atypical Focus	Minimal
	Duct	Dilatation	Mild
		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLS = 1,2-15+15A]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 507	TRT#: 1	SEX: Female	DAY ON TEST: 757
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300507

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-1]			
* Skin		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 6-2]			
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 508	TRT#: 1	SEX: Female	DAY ON TEST: 757
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300508

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
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Vagina		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
[Degeneration TGLS = 4-1]			
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Liver		Vacuolization Cytoplasmic	Mild
Lymph Node	Renal	Degeneration	Cystic, Mild
	Renal	Infiltration Cellular	Plasma Cell, Marked
[Degeneration TGLS = 2-15]			
[Infiltration Cellular TGLS = 2-15]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Atypical Focus	Minimal
		Lactation	Mild
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 3-15A]			
* Spleen		Pigmentation	Minimal
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 508	TRT#: 1	SEX: Female	DAY ON TEST: 757
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300508

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus [Hyperplasia TGLS = 1-2]	Endometrium	Hyperplasia	Cystic, Moderate
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PRIMARY CAUSE OF DEATH

-

Animal Note: Mesentery - Polyarteritis,moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 509

TRT#: 1

SEX: Female

DAY ON TEST: 757

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300509

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	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia	Cystic, Mild Moderate
[Degeneration TGLS = 5-1]			
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 3-3]			
* Clitoral Gland		Squamous Cell Papilloma	
* Kidney		Mineralization	Mild
* Mammary Gland		Adenocarcinoma	Multiple
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
Note: Mammary Carcinoma also present adjacent to Clitoral Gland on slide 2A.			
[Adenocarcinoma TGLS = 1-15]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Spleen		Pigmentation	Mild
* Thymus		Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 509	TRT#: 1	SEX: Female	DAY ON TEST: 757
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300509

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 4-2]		Hyperplasia	Atypical, Focal, Minimal
* Vagina	Mucocyte	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 510

TRT#: 2

SEX: Female

DAY ON TEST: 757

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300510

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
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Marked
[Degeneration TGLS = 5-1]			
* Clitoral Gland	Duct	Dilatation Inflammation	Moderate Mild
[Dilatation TGLS = 1-2A]			
[Inflammation TGLS = 1-2A]			
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct Periportal	Hyperplasia Inflammation Infiltration Cellular	Minimal Chronic, Minimal Plasma Cell, Mild
* Lymph Node, Mandibular		Atypical Focus	Mild
* Mammary Gland	Alveolus	Fibroadenoma Hyperplasia Lactation	Marked Moderate
[Fibroadenoma TGLS = 2-15]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Moderate
* Pituitary Gland	Interstit Cell Pars Distalis	Hyperplasia Adenoma	Moderate
[Adenoma TGLS = 3,4-1]			
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 510	TRT#: 2	SEX: Female	DAY ON TEST: 757
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300510

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Minimal
		Polyp Stromal	
* Vagina	Mucocyte	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 511

TRT#: 2

SEX: Female

DAY ON TEST: 757

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300511

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	* Lymph Node, Mesenteric	* Nose
* Oviduct	* Pancreas	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
[Degeneration TGLS = 6-1]			
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-2A]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
	Artery	Mineralization	Minimal
[Infiltration Cellular TGLS = 7-10]			
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Marked
[Degeneration TGLS = 3-15A]			
[Hyperplasia TGLS = 3-15A]			
[Infiltration Cellular TGLS = 3-15A]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLS = 1-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 511	TRT#: 2	SEX: Female	DAY ON TEST: 757
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300511

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
		Sertoli Cell Tumor Benign	
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 5-1]		
* Skin		Inflammation	Moderate
	[Inflammation TGLS = 4-6A]		
* Spleen		Pigmentation	Mild
* Thymus		Cyst	
* Thyroid Gland		Ultimobranchial Cyst	Moderate
* Vagina		Inflammation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 512

TRT#: 5

SEX: Female

DAY ON TEST: 757

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300512

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
* Liver	* Lung	* Lymph Node, Mesenteric	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 4-1]		Degeneration	Cystic, Moderate
* Brain, Brain Stem [Compression TGLS = 9-3]		Compression	Mild
* Clitoral Gland	Duct	Hyperplasia	Squamous, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
		[Fibroadenoma TGLS = 1,2,3,8-15+15B+15A+15C]	
* Nose	Respirat Epith	Hyperplasia	Minimal
* Ovary		Atrophy	Marked
		Cyst	
		Granulosa Cell Tumor Benign	
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Adenoma	
* Skin [Inflammation TGLS = 5-6A]		Inflammation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 512	TRT#: 5 DOSE: F1/2PPB TO CTL	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 757 HISTO: 021380300512
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Cyst	
* Thyroid Gland		Infiltration Cellular	Lymphocyte, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Hyperplasia	Atypical, Focal, Minimal
		Metaplasia	Squamous, Mild
[Hyperplasia TGLS = 7-2]			
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 513

TRT#: 3

SEX: Female

DAY ON TEST: 757

DOSE: F1 10 PPB

DISP: Terminal Sacrifice

HISTO: 021380300513

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	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy	Cystic, Mild Mild
[Degeneration TGLS = 4-1]			
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Int Sm Jejunum			
Note: TGL 3 - NCL			
* Kidney		Mineralization Nephropathy	Mild Minimal
* Liver	Bile Duct Periportal	Hyperplasia Inflammation	Mild Chronic, Minimal
* Lymph Node, Mandibular		Degeneration Hyperplasia Infiltration Cellular	Cystic, Mild Lymphoid, Mild Plasma Cell, Mild
[Hyperplasia TGLS = 2-4]			
[Infiltration Cellular TGLS = 2-4]			
* Mammary Gland		Atypical Focus Fibroadenoma Hyperplasia	Minimal Moderate
[Fibroadenoma TGLS = 1-15]	Alveolus		
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 513

TRT#: 3
DOSE: F1 10 PPB

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 757
HISTO: 021380300513

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Hyperplasia Degeneration	Sertoliform, Minimal Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Moderate
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
* Vagina	Mucocyte	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 514

TRT#: 3

SEX: Female

DAY ON TEST: 757

DOSE: F1 10 PPB

DISP: Terminal Sacrifice

HISTO: 021380300514

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, Mesenteric	* Nose
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 6-3]			
* Clitoral Gland		Inflammation	Mild
* Kidney		Mineralization	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lym Node Mesen			
Note: TGL 3 - NCL			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Adenocarcinoma	
		Atypical Focus	Minimal
		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Adenocarcinoma TGLS = 1-15]			
[Fibroadenoma TGLS = 2-15A]			
* Ovary		Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 514	TRT#: 3	SEX: Female	DAY ON TEST: 757
	DOSE: F1 10 PPB	DISP: Terminal Sacrifice	HISTO: 021380300514

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Inflammation TGLS = 4-15B]		Inflammation	Marked
* Spleen		Pigmentation	Mild
* Thymus		Cyst	
* Uterus		Hyperplasia	Atypical, Focal, Minimal
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 515

TRT#: 3

SEX: Female

DAY ON TEST: 757

DOSE: F1 10 PPB

DISP: Terminal Sacrifice

HISTO: 021380300515

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
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
[Degeneration TGLS = 4-1]			
* Clitoral Gland	Duct	Dilatation Inflammation	Mild Mild
[Dilatation TGLS = 3-2A]			
[Inflammation TGLS = 3-2A]			
* Kidney		Mineralization	Mild
* Liver		Inflammation Vacuolization Cytoplasmic	Chronic Active, Minimal Minimal
* Lymph Node, Mandibular		Hyperplasia Infiltration Cellular	Lymphoid, Mild Plasma Cell, Mild
* Mammary Gland	Alveolus	Atypical Focus Hyperplasia Lactation	Minimal Mild Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy Cyst	Mild
[Cyst TGLS = 1-2B]			
* Pancreas	Acinar Cell	Degeneration Lipomatosis	Mild Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 515	TRT#: 3	SEX: Female	DAY ON TEST: 757
	DOSE: F1 10 PPB	DISP: Terminal Sacrifice	HISTO: 021380300515

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-1]

* Spleen		Pigmentation	Moderate
* Trachea		Inflammation	Minimal
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 516

TRT#: 6

SEX: Female

DAY ON TEST: 757

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300516

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	* Oviduct	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 1-1]		Degeneration	Cystic, Mild
* Kidney Note: TGL 2 - NCL		Mineralization	Minimal
* Liver		Degeneration Eosinophilic Focus	Cystic, Minimal
* Lymph Node, Mandibular [Degeneration TGLS = 4-4] [Infiltration Cellular TGLS = 4-4]	Periportal	Inflammation Degeneration Infiltration Cellular	Chronic, Minimal Cystic, Mild Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Moderate
* Nose		Foreign Body Inflammation	Mild
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland [Adenoma TGLS = 3-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Mild
* Thymus		Cyst	
* Vagina	Mucocyte	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 516

TRT#: 6

SEX: Female

DAY ON TEST: 757

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300516

ORGAN AND ACCOUNTABLE SITE STATUS

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 517

TRT#: 6

SEX: Female

DAY ON TEST: 757

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300517

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
* Lymph Node, Mesenteric	* Oviduct	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus	* Vagina	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 5-3]			
* Clitoral Gland	Duct	Dilatation	Moderate
		Inflammation	Mild
[Dilatation TGLS = 1-2A]			
* Eye	Retina	Degeneration	Moderate
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Vacuolization Cytoplasmic	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Adenocarcinoma	
		Atypical Focus	Minimal
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Adenocarcinoma TGLS = 2-15]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Mild
* Pancreas	Acinar Cell	Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 517	TRT#: 6	SEX: Female	DAY ON TEST: 757
	DOSE: F1/10PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300517

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 4-1]	Pars Distalis	Adenoma	
* Skin [Inflammation TGLS = 3-6A]		Inflammation	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 518

TRT#: 6

SEX: Female

DAY ON TEST: 757

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300518

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	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
[Degeneration TGLS = 6-1]			
* Clitoral Gland	Duct	Dilatation Inflammation	Marked Moderate
[Dilatation TGLS = 4-2A]			
[Inflammation TGLS = 4-2A]			
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver	Bile Duct	Angiectasis Hyperplasia	Mild Minimal
[Angiectasis TGLS = 5-9]			
* Lym Node Mand			
Note: Wet tissue attempted			
Lymph Node	Lumbar	Degeneration	Cystic, Marked
[Degeneration TGLS = 10-15C]			
* Mammary Gland		Adenocarcinoma Fibroadenoma Galactocele	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 518	TRT#: 6 DOSE: F1/10PPB TO CTL	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 757 HISTO: 021380300518
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ORGAN AND ACCOUNTABLE SITE STATUS

Alveolus	Hyperplasia Lactation	Minimal Mild
[Adenocarcinoma TGLS = 2-15A] [Fibroadenoma TGLS = 1-15] [Galactocele TGLS = 3-15B]		
* Ovary	Atrophy Hyperplasia	Marked Sertoliform, Mild
* Pancreas	Degeneration	Mild
* Pituitary Gland	Adenoma	
[Adenoma TGLS = 8-1]		
* Skin	Inflammation	Mild
[Inflammation TGLS = 7-6A]		
* Spleen	Pigmentation	Mild
* Thymus	Cyst	
* Uterus	Hyperplasia Metaplasia	Atypical, Focal, Mild Squamous, Minimal
Note: TGL 9 - NCL		
* Vagina	Hyperplasia Inflammation	Minimal Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 519

TRT#: 6

SEX: Female

DAY ON TEST: 757

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300519

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	* Oviduct
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
[Degeneration TGLS = 9-1]			
* Clitoral Gland		Inflammation	Minimal
* Eye	Retina	Degeneration	Mild
* Kidney		Cyst	
		Mineralization	Mild
		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
	Periportal	Inflammation	Chronic, Minimal
Note: TGL 6 - NCL			
* Lymph Node	Lumbar	Degeneration	Cystic, Marked
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 5-15C]			
[Infiltration Cellular TGLS = 5-15C]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 3-4]			
* Mammary Gland		Atypical Focus	Minimal
		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Mild
[Fibroadenoma TGLS = 1,2,4,8-15+15A+15B+15D]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 519	TRT#: 6	SEX: Female	DAY ON TEST: 757
	DOSE: F1/10PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300519

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Moderate
		Hyperplasia	Sertoliform, Moderate
* Skin		Inflammation	Marked
	[Inflammation TGLS = 7-6A]		
* Spleen		Pigmentation	Minimal
* Thymus		Cyst	
* Thyroid Gland		Ultimobranchial Cyst	Moderate
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 520

TRT#: 4

SEX: Female

DAY ON TEST: 757

DOSE: F1 50 PPB

DISP: Terminal Sacrifice

HISTO: 021380300520

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	* Oviduct	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 6-1]		Degeneration	Cystic, Moderate
* Clitoral Gland [Inflammation TGLS = 3-2A]		Inflammation	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung [Infiltration Cellular TGLS = 7-10]		Infiltration Cellular	Histiocyte, Moderate
* Lymph Node, Mandibular [Degeneration TGLS = 4-4]		Degeneration Infiltration Cellular	Cystic, Moderate Plasma Cell, Mild
* Mammary Gland [Adenocarcinoma TGLS = 1-15] [Fibroadenoma TGLS = 2-15A]	Alveolus	Adenocarcinoma Atypical Focus Fibroadenoma Hyperplasia	Mild Moderate
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy Hyperplasia	Mild Sertoliform, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 520	TRT#: 4	SEX: Female	DAY ON TEST: 757
	DOSE: F1 50 PPB	DISP: Terminal Sacrifice	HISTO: 021380300520

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary GI Note: TGL 8 - NCL			
* Spleen		Pigmentation	Mild
* Uterus Note: TGL 5 - NCL		Hyperplasia	Atypical, Focal, Minimal
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 521

TRT#: 4

SEX: Female

DAY ON TEST: 757

DOSE: F1 50 PPB

DISP: Terminal Sacrifice

HISTO: 021380300521

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	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Clitoral Gland		Inflammation	Moderate
* Harderian Gland		Inflammation	Mild
* Kidney		Mineralization	Moderate
* Liver	Periportal	Inflammation	Chronic, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Minimal
* Nose	Nasolacrim Dct	Inflammation	Mild
Note: Inflammation, gingival observed in the nasal turbinates is recorded as Inflammation, gingival, Oral Mucosa.			
Note: Keratin cyst observed in the nasal turbinates is recorded as Keratin cyst, Oral Mucosa.			
Oral Mucosa	Gingival	Inflammation	Moderate
Note: Located on slide 14 with the routine section of nasal turbinates.			
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-1]			
* Spleen		Pigmentation	Minimal
* Thymus		Cyst	
* Thyroid Gland		Ultimobranchial Cyst	Moderate
* Uterus		Hyperplasia	Atypical, Focal, Minimal
		Metaplasia	Squamous, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 521	TRT#: 4	SEX: Female	DAY ON TEST: 757
	DOSE: F1 50 PPB	DISP: Terminal Sacrifice	HISTO: 021380300521

ORGAN AND ACCOUNTABLE SITE STATUS

* Vagina	Mucocyte	Hyperplasia Inflammation	Mild Mild
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PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 522	TRT#: 4	SEX: Female	DAY ON TEST: 757
	DOSE: F1 50 PPB	DISP: Terminal Sacrifice	HISTO: 021380300522

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* 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	* Liver
* Lung	* Lymph Node, Mesenteric	* Oviduct	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 3-1]		Degeneration	Cystic, Mild
* Brain, Brain Stem [Compression TGLS = 5-3]		Compression	Moderate
* Brain, Cerebellum		Hydrocephalus	Minimal
* Clitoral Gland [Dilatation TGLS = 1-2A]	Duct	Dilatation	Moderate
* Harderian Gland		Inflammation	Mild
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Adenocarcinoma	
		Atypical Focus	Mild
	Alveolus	Hyperplasia	Moderate
		Lactation	Mild
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Minimal
* Pituitary Gland [Adenoma TGLS = 4-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 522	TRT#: 4	SEX: Female	DAY ON TEST: 757
	DOSE: F1 50 PPB	DISP: Terminal Sacrifice	HISTO: 021380300522

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland		Ultimobranchial Cyst	Mild
* Uterus	Endometrium	Hyperplasia	Mild
	Endometrium	Hyperplasia	Cystic, Mild
		Hyperplasia	Atypical, Focal, Mild
		Metaplasia	Squamous, Mild
[Hyperplasia TGLS = 2-2]			
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 523	TRT#: 4	SEX: Female	DAY ON TEST: 757
	DOSE: F1 50 PPB	DISP: Terminal Sacrifice	HISTO: 021380300523

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, Mesenteric	* Nose	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
[Degeneration TGLS = 6-1]			
* Brain, Brain Stem		Compression	Mild
Note: Wet tissue requested for TGL 10 on slide 3A			
[Compression TGLS = 10-3A]			
* Clitoral Gland	Duct	Dilatation Inflammation	Mild Moderate
[Dilatation TGLS = 4-2A]			
[Inflammation TGLS = 4-2A]			
* Eye	Bilateral, Retina	Degeneration	Mild
* Kidney		Mineralization Nephropathy	Mild Minimal
* Liver		Infiltration Cellular	Lymphocyte, Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Popliteal	Degeneration	Cystic, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
	Popliteal	Infiltration Cellular	Plasma Cell, Marked
[Degeneration TGLS = 8-15C]			
[Degeneration TGLS = 7-15B]			
[Infiltration Cellular TGLS = 8-15C]			
[Infiltration Cellular TGLS = 7-15B]			
* Lymph Node, Mandibular		Degeneration	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 523	TRT#: 4	SEX: Female	DAY ON TEST: 757
	DOSE: F1 50 PPB	DISP: Terminal Sacrifice	HISTO: 021380300523

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLS = 3-4] * Mammary Gland		Infiltration Cellular	Plasma Cell, Mild
		Atypical Focus	Mild
		Galactocele	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
Note: Atypical focus located on slide 15A. [Galactocele TGLS = 1,2-15+15A]			
* Ovary		Atrophy	Moderate
		Cyst	
		Hyperplasia	Sertoliform, Minimal
[Cyst TGLS = 5-2B]			
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 11-6A]			
* Spleen		Pigmentation	Moderate
* Thymus		Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Hyperplasia	Atypical, Focal, Minimal
[Hyperplasia TGLS = 12-2]			
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 524

TRT#: 4

SEX: Female

DAY ON TEST: 757

DOSE: F1 50 PPB

DISP: Terminal Sacrifice

HISTO: 021380300524

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	* Liver	* Oviduct	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
[Degeneration TGLS = 9-1]			
* Clitoral Gland	Duct	Dilatation	Moderate
		Inflammation	Moderate
[Dilatation TGLS = 2-2A]			
[Inflammation TGLS = 2-2A]			
* Islets, Pancreatic		Carcinoma	
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver			
Note: TGL 6 - NCL			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 7-10]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Mammary Gland		Atypical Focus	Minimal
		Fibroadenoma	
	Alveolus	Hyperplasia	Moderate
		Lactation	Minimal
[Fibroadenoma TGLS = 1-15]			
* Nose	Nasolacrim Dct	Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 524	TRT#: 4	SEX: Female	DAY ON TEST: 757
	DOSE: F1 50 PPB	DISP: Terminal Sacrifice	HISTO: 021380300524

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Mild
		Cyst	
		Hyperplasia	Sertoliform, Mild
[Cyst TGLS = 3-2B]			
* Pancreas	Acinar Cell	Adenocarcinoma	
[Adenocarcinoma TGLS = 8-15A]			
* Spleen		Sarcoma	
[Sarcoma TGLS = 5-9A]			
* Thymus		Cyst	
* Uterus		Hyperplasia	Atypical, Focal, Mild
Note: TGL 4 - NCL			
* Vagina	Mucocyte	Hyperplasia	Moderate
		Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 8 - noted grossly as Mesentery is Pancreas

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 525

TRT#: 7

SEX: Female

DAY ON TEST: 757

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300525

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	* Oviduct	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
[Degeneration TGLS = 5-1]			
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Mineralization	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Moderate
[Fibroadenoma TGLS = 2,3,4-15+15A+15B]			
* Nose	Nasolacrim Dct	Inflammation	Mild
		Inflammation	Mild
* Ovary		Atrophy	Mild
		Hyperplasia	Sertoliform, Moderate
* Pancreas	Acinar Cell	Degeneration	Mild
* Skin		Inflammation	Marked
[Inflammation TGLS = 1-6A]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 525	TRT#: 7	SEX: Female	DAY ON TEST: 757
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300525

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Cyst	
* Vagina	Mucocyte	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 526

TRT#: 7

SEX: Female

DAY ON TEST: 757

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300526

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 5-1]		Degeneration	Cystic, Mild
* Brain, Brain Stem [Compression TGLS = 7-3]		Compression	Mild
* Brain, Cerebrum		Hydrocephalus	Mild
* Clitoral Gland [Dilatation TGLS = 3-2A]	Duct	Dilatation Inflammation	Moderate Mild
* Eye	Cornea	Inflammation	Minimal
* Harderian Gland		Inflammation	Minimal
* Kidney		Cyst Mineralization	Mild
* Liver		Nephropathy	Minimal
Lymph Node	Inguinal	Infiltration Cellular Degeneration	Lymphocyte, Minimal Cystic, Mild
	Inguinal	Hyperplasia	Lymphoid, Mild
[Degeneration TGLS = 6-15A]	Inguinal	Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Adenocarcinoma Atypical Focus	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 526	TRT#: 7 DOSE: F1/50PPB TO CTL	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 757 HISTO: 021380300526
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ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolus	Hyperplasia Lactation	Mild Mild
[Adenocarcinoma TGLS = 2-15]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy Cyst	Marked
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 1-6A]			
* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus			
Note: TGL 4 - NCL			
* Vagina	Mucocyte	Hyperplasia Inflammation	Mild Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 527

TRT#: 7

SEX: Female

DAY ON TEST: 757

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300527

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	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
[Degeneration TGLS = 4-1]			
* Clitoral Gland		Inflammation	Minimal
* Kidney		Mineralization	Mild
* Mammary Gland		Atypical Focus	Minimal
		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLS = 1,2-15+15A]			
* Ovary		Atrophy	Marked
		Cyst	
		Hyperplasia	Sertoliform, Minimal
[Cyst TGLS = 3-2B]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Pigmentation	Mild
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Hyperplasia	Mild
		Hyperplasia	Atypical, Focal, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 527

TRT#: 7

SEX: Female

DAY ON TEST: 757

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300527

ORGAN AND ACCOUNTABLE SITE STATUS

* Vagina

Mucocyte

Metaplasia

Squamous, Minimal

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 554

TRT#: 1

SEX: Female

DAY ON TEST: 758

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300554

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	* Lung	* Lymph Node, Mesenteric	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Adrenal Medulla

OBSERVATIONS

* Adren Medulla

Note: No recut or wet tissue per pathologist

* Adrenal Cortex

Atrophy
Degeneration

Moderate
Cystic, Marked

[Atrophy TGLS = 6-1]

[Degeneration TGLS = 7-1]

* Brain Stem

Note: TGL 9 - NCL

* Clitoral Gland

Inflammation

Mild

* Kidney

Mineralization

Mild

Nephropathy

Minimal

* Liver

Hepatocellular Adenoma

Lymph Node

Lumbar

Degeneration

Cystic, Marked

Lumbar

Infiltration Cellular

Plasma Cell, Moderate

[Degeneration TGLS = 5-15D]

[Infiltration Cellular TGLS = 5-15D]

* Lymph Node, Mandibular

Infiltration Cellular

Plasma Cell, Mild

* Mammary Gland

Adenocarcinoma

Atypical Focus

Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 554	TRT#: 1	SEX: Female	DAY ON TEST: 758
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300554

ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolus	Fibroadenoma Hyperplasia Lactation	Multiple Moderate Mild
	[Adenocarcinoma TGLS = 4-15D] [Fibroadenoma TGLS = 1,2,3-15+15A+15B]		
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy Hyperplasia	Marked Sertoliform, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 8-1]		
* Skin		Inflammation	Marked
	[Inflammation TGLS = 10-6A]		
* Spleen		Pigmentation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 555

TRT#: 1

SEX: Female

DAY ON TEST: 758

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300555

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, Mesenteric	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Clitoral Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
	Bile Duct	Hyperplasia	Minimal
	[Angiectasis TGLS = 4,5-9]		
* Lung		Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLS = 6-10]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Moderate
	[Fibroadenoma TGLS = 1,2,3-15+15A+15B]		
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild
		Hyperplasia	Sertoliform, Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	Note: TGL 8 - NCL		
* Skin		Inflammation	Marked
	[Inflammation TGLS = 7-6A]		
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 555	TRT#: 1	SEX: Female	DAY ON TEST: 758
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300555

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus [Atrophy TGLS = 9-2]		Atrophy	Moderate
* Vagina	Mucocyte	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 556

TRT#: 1

SEX: Female

DAY ON TEST: 758

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300556

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
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Adenoma Degeneration	Cystic, Moderate
[Adenoma TGLS = 6-1]			
[Degeneration TGLS = 6-1]			
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 10-3]			
* Clitoral Gland	Duct	Hyperplasia Inflammation	Squamous, Mild Marked
[Inflammation TGLS = 3-2A]			
* Eye	Bilateral, Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
* Lung		Infiltration Cellular Inflammation	Histiocyte, Minimal Minimal
[Infiltration Cellular TGLS = 8-10]			
Lymph Node	Lumbar	Degeneration	Cystic, Mild
	Deep Cervical	Infiltration Cellular	Plasma Cell, Marked
	Lumbar	Infiltration Cellular	Plasma Cell, Mild
	Thoracic	Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 7-15A]			
[Infiltration Cellular TGLS = 12-15C]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 556

TRT#: 1

SEX: Female

DAY ON TEST: 758

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300556

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 7-15A]			
[Infiltration Cellular TGLS = 11-15B]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Minimal
		Lactation	Minimal
[Fibroadenoma TGLS = 2,13-15+6B]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Marked
		Cyst	
		Hyperplasia	Sertoliform, Mild
[Cyst TGLS = 4-2B]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Skin		Inflammation	Marked
Note: TGL 13 - noted grossly as Skin is Mammary Gland			
[Inflammation TGLS = 1-6A]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 5-2]			
* Vagina	Mucocyte	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 557

TRT#: 1

SEX: Female

DAY ON TEST: 758

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300557

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Adrenal Medulla

OBSERVATIONS

* Adren Medulla			
Note: Recut attempted			
* Adrenal Cortex		Degeneration	Cystic, Moderate
[Degeneration TGLS = 3-1]			
* Clitoral Gland		Inflammation	Mild
* Eye	Retina	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild
[Atrophy TGLS = 1-2B]			
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
[Angiectasis TGLS = 2-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 557

TRT#: 1

SEX: Female

DAY ON TEST: 758

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300557

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Pigmentation

Minimal

* Vagina

Mucocyte

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 558

TRT#: 2

SEX: Female

DAY ON TEST: 758

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300558

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	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 5-1]		Degeneration	Cystic, Mild
* Clitoral Gland [Dilatation TGLS = 3-2A] [Inflammation TGLS = 3-2A]	Duct	Dilatation Inflammation	Mild Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney [Cyst TGLS = 6-11]		Cyst Mineralization Nephropathy	Mild Minimal
* Liver	Periportal	Inflammation Vacuolization Cytoplasmic	Chronic, Minimal Mild
* Lymph Node, Mandibular		Hyperplasia Infiltration Cellular	Lymphoid, Mild Plasma Cell, Mild
* Mammary Gland		Atypical Focus Fibroadenoma	Mild Multiple
	Alveolus	Hyperplasia Lactation	Moderate Mild
[Fibroadenoma TGLS = 1,2-15+15A]			
* Nose	Nasolacrim Dct	Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 558	TRT#: 2	SEX: Female	DAY ON TEST: 758
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300558

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Mild
		Cyst	
[Cyst TGLS = 4-2B]			
* Pancreas	Acinar Cell	Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 7-6A]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Uterus		Hyperplasia	Atypical, Focal, Minimal
* Vagina	Mucocyte	Hyperplasia	Moderate
		Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 559

TRT#: 2
DOSE: F1 2PPB

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 758
HISTO: 021380300559

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	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Oviduct	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 2-1]		Degeneration	Cystic, Mild
* Brain, Brain Stem [Compression TGLS = 5-3]		Compression	Mild
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum [Inflammation TGLS = 4-8]		Inflammation	Chronic, Marked
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
Lymph Node	Lumbar	Hyperplasia	Lymphoid, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Hyperplasia TGLS = 3-15]			
[Infiltration Cellular TGLS = 3-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland		Atypical Focus	Mild
	Duct	Dilatation	Mild
	Alveolus	Hyperplasia	Moderate
		Lactation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 559	TRT#: 2	SEX: Female	DAY ON TEST: 758
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300559

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-1]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 560	TRT#: 5	SEX: Female	DAY ON TEST: 758
	DOSE: F1/2PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300560

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	* Oviduct	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 5-1]		Degeneration	Cystic, Mild
* Clitoral Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Mineralization	Mild
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Mammary Gland		Atypical Focus	Mild
		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLS = 3-15]			
* Ovary		Atrophy	Marked
		Cyst	
[Cyst TGLS = 1-2B]		Hyperplasia	Sertoliform, Minimal
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 560	TRT#: 5	SEX: Female	DAY ON TEST: 758
	DOSE: F1/2PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300560

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus [Hyperplasia TGLS = 2-2]	Endometrium	Hyperplasia	Cystic, Mild
* Vagina	Mucocyte	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 561

TRT#: 3

SEX: Female

DAY ON TEST: 758

DOSE: F1 10 PPB

DISP: Terminal Sacrifice

HISTO: 021380300561

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, Mesenteric	* Oviduct
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 3-1]		Degeneration	Cystic, Moderate
* Clitoral Gland		Inflammation	Mild
* Kidney		Mineralization	Minimal
* Liver [Vacuolization Cytoplasmic TGLS = 4-9]		Vacuolization Cytoplasmic	Moderate
* Lung [Infiltration Cellular TGLS = 5-10]		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Hyperplasia Infiltration Cellular	Lymphoid, Mild Plasma Cell, Mild
* Mammary Gland [Fibroadenoma TGLS = 2-15]	Alveolus	Atypical Focus Fibroadenoma Hyperplasia	Minimal Moderate
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild
* Skin Note: Wet tissue requested for TGL 1 on slide 6B [Inflammation TGLS = 1-6A+6B]		Inflammation	Marked
* Spleen		Pigmentation	Minimal
* Thymus		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 561	TRT#: 3	SEX: Female	DAY ON TEST: 758
	DOSE: F1 10 PPB	DISP: Terminal Sacrifice	HISTO: 021380300561

ORGAN AND ACCOUNTABLE SITE STATUS

* Vagina	Mucocyte	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 562

TRT#: 3

SEX: Female

DAY ON TEST: 758

DOSE: F1 10 PPB

DISP: Terminal Sacrifice

HISTO: 021380300562

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	* Lung	* Lymph Node, Mesenteric	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Mild
[Dilatation TGLS = 1-2A]			
[Inflammation TGLS = 1-2A]			
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	
		Nephropathy	Minimal
[Cyst TGLS = 4-11]			
* Liver	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
Note: TGL 3 - NCL			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 2-4]			
[Infiltration Cellular TGLS = 2-4]			
* Mammary Gland		Atypical Focus	Minimal
		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
[Fibroadenoma TGLS = 5-15]			
* Nose	Nasolacrim Dct	Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 562	TRT#: 3	SEX: Female	DAY ON TEST: 758
	DOSE: F1 10 PPB	DISP: Terminal Sacrifice	HISTO: 021380300562

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Mild
		Hyperplasia	Sertoliform, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	
	[Adenoma TGLS = 7-1]		
* Skin		Inflammation	Marked
	[Inflammation TGLS = 6-6A]		
* Thymus		Cyst	
* Thyroid Gland	C Cell	Adenoma	
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 563

TRT#: 3

SEX: Female

DAY ON TEST: 758

DOSE: F1 10 PPB

DISP: Terminal Sacrifice

HISTO: 021380300563

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	* Oviduct	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
[Degeneration TGLS = 3-1]			
* Harderian Gland		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
	Periportal	Inflammation	Chronic, Minimal
* Mammary Gland		Atypical Focus	Minimal
		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Minimal
		Lactation	Minimal
[Fibroadenoma TGLS = 1,2-15+15A]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Moderate
		Hyperplasia	Sertoliform, Minimal
* Skin		Inflammation	Marked
[Inflammation TGLS = 4-6A]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Mild
* Vagina	Mucocyte	Hyperplasia	Minimal
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:47

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 563

TRT#: 3

SEX: Female

DAY ON TEST: 758

DOSE: F1 10 PPB

DISP: Terminal Sacrifice

HISTO: 021380300563

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 564

TRT#: 3

SEX: Female

DAY ON TEST: 758

DOSE: F1 10 PPB

DISP: Terminal Sacrifice

HISTO: 021380300564

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
* Lung	* Oviduct	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 5-1]		Degeneration	Cystic, Moderate
* Brain, Brain Stem [Compression TGLS = 7-3]		Compression	Mild
* Clitoral Gland		Hyperplasia	Mild
* Islets, Pancreatic [Carcinoma TGLS = 8-8]		Carcinoma	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct Periportal	Hyperplasia Inflammation	Minimal Chronic, Minimal
* Lym Node Mesen Note: TGL 8 - noted grossly as Lymph Node, Mesenteric is Islets Pancreas Note: Recut attempted			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Adenocarcinoma	
		Atypical Focus	Mild
		Fibroadenoma	
		Galactocele	
	Alveolus	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 564	TRT#: 3	SEX: Female	DAY ON TEST: 758
	DOSE: F1 10 PPB	DISP: Terminal Sacrifice	HISTO: 021380300564

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenocarcinoma TGLS = 2-15A] [Fibroadenoma TGLS = 3-15B] [Galactocele TGLS = 1-15]		Lactation	Mild
* Nose		Inflammation	Mild
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Spleen		Pigmentation	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	Endometrium	Hyperplasia	Mild
[Hyperplasia TGLS = 4-2]			
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 565

TRT#: 6

SEX: Female

DAY ON TEST: 758

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300565

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	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 8-1]		Degeneration	Cystic, Moderate
* Clitoral Gland		Inflammation	Mild
* Harderian Gland		Inflammation	Minimal
* Kidney		Cyst	
		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular [Infiltration Cellular TGLS = 6-4]		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Atypical Focus	Minimal
		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Moderate
	[Fibroadenoma TGLS = 2,3,4,5-15+15A+15B+15C]		
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Mild
Note: TGL 7 - NCL			
* Pancreas	Acinar Cell	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Inflammation	Marked
		Inflammation	Mild
[Inflammation TGLS = 9-6B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 565

TRT#: 6

SEX: Female

DAY ON TEST: 758

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300565

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 1-6A]

* Thymus		Cyst	
* Uterus		Inflammation	Minimal
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 566

TRT#: 6

SEX: Female

DAY ON TEST: 758

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300566

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, Mesenteric
* Oviduct	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
[Degeneration TGLS = 4-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Mild
[Fibroadenoma TGLS = 1,2,6-15+15A+15C]			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-15B]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Degeneration	Moderate
* Parathyroid Gland			
Note: Recut attempted			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 566	TRT#: 6	SEX: Female	DAY ON TEST: 758
	DOSE: F1/10PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300566

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-1]		Pigmentation	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Vagina	Mucocyte	Hyperplasia	Mild
		Inflammation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 567

TRT#: 4

SEX: Female

DAY ON TEST: 758

DOSE: F1 50 PPB

DISP: Terminal Sacrifice

HISTO: 021380300567

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, Mesenteric	* Nose
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Vagina

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Clitoral Gland		Inflammation	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
	Periportal	Inflammation	Chronic, Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
Note: TGL 3 - NCL [Fibroadenoma TGLS = 4-15A]			
* Ovary		Atrophy	Marked
		Cyst	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Spleen		Pigmentation	Moderate
* Uterus	Endometrium	Hyperplasia	Mild
		Hyperplasia	Atypical, Focal, Mild
		Metaplasia	Squamous, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 567

TRT#: 4

SEX: Female

DAY ON TEST: 758

DOSE: F1 50 PPB

DISP: Terminal Sacrifice

HISTO: 021380300567

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-2]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 568	TRT#: 4	SEX: Female	DAY ON TEST: 758
	DOSE: F1 50 PPB	DISP: Terminal Sacrifice	HISTO: 021380300568

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	* Oviduct	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy	Cystic, Mild Mild
[Degeneration TGLS = 4-1]			
* Clitoral Gland		Inflammation	Mild
[Inflammation TGLS = 1-2A]			
* Kidney	Renal Tubule	Adenoma Mineralization	Minimal
[Adenoma TGLS = 3-11]			
* Liver	Periportal	Inflammation	Chronic, Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 2-15]			
[Infiltration Cellular TGLS = 2-15]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Moderate
* Ovary		Atrophy Hyperplasia	Mild Sertoliform, Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Spleen		Pigmentation	Mild
* Thymus		Cyst	
* Vagina	Mucocyte	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 568

TRT#: 4

SEX: Female

DAY ON TEST: 758

DOSE: F1 50 PPB

DISP: Terminal Sacrifice

HISTO: 021380300568

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 569

TRT#: 4

SEX: Female

DAY ON TEST: 758

DOSE: F1 50 PPB

DISP: Terminal Sacrifice

HISTO: 021380300569

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	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Oviduct	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Clitoral Gland		Inflammation	Mild
* Eye	Bilateral, Retina	Degeneration	Mild
* Kidney		Mineralization	Minimal
* Mammary Gland		Atypical Focus	Minimal
		Fibroadenoma	
	Alveolus	Hyperplasia	Moderate
		Lactation	Moderate
[Fibroadenoma TGLS = 1-15]			
* Nose	Nasolacrim Dct	Inflammation	Moderate
* Ovary	Corpus Luteum	Cyst	
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 570

TRT#: 4

SEX: Female

DAY ON TEST: 758

DOSE: F1 50 PPB

DISP: Terminal Sacrifice

HISTO: 021380300570

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	* Lymph Node, Mesenteric	* Nose	* Oviduct
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 7-1]		Degeneration	Cystic, Moderate
* Brain, Brain Stem [Compression TGLS = 9-3]		Compression	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Mineralization	Mild
* Liver		Nephropathy	Minimal
	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Eosinophilic Focus TGLS = 6-9]			
* Lung [Infiltration Cellular TGLS = 5-10]		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Adenocarcinoma	
	Duct	Dilatation	Mild
		Fibroadenoma	
	Alveolus	Hyperplasia	Moderate
		Lactation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 570	TRT#: 4	SEX: Female	DAY ON TEST: 758
	DOSE: F1 50 PPB	DISP: Terminal Sacrifice	HISTO: 021380300570

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenocarcinoma TGLS = 1-15] [Fibroadenoma TGLS = 2-15A]			
* Ovary		Atrophy Cyst	Marked
[Cyst TGLS = 3-2B]			
* Pancreas	Acinar Cell	Degeneration	Minimal
* Parathyroid Gland Note: Recut attempted			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Spleen		Pigmentation	Moderate
* Uterus	Endometrium	Hyperplasia Metaplasia	Cystic, Mild Squamous, Mild
[Hyperplasia TGLS = 4-2]			
* Vagina	Mucocyte	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 571

TRT#: 7

SEX: Female

DAY ON TEST: 758

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300571

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	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Clitoral Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Degeneration	Cystic, Moderate
[Degeneration TGLS = 2-4]			
* Mammary Gland		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Moderate
[Fibroadenoma TGLS = 1,3,6-15+15A+15B]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Mild
		Cyst	
		Hyperplasia	Sertoliform, Mild
* Pancreas		Lipomatosis	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 5-6A]			
* Vagina	Mucocyte	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 571

TRT#: 7

SEX: Female

DAY ON TEST: 758

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300571

ORGAN AND ACCOUNTABLE SITE STATUS

Inflammation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 572

TRT#: 7

SEX: Female

DAY ON TEST: 758

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300572

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, Mesenteric	* Oviduct	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 10-1]		Degeneration	Cystic, Mild
* Brain, Brain Stem [Compression TGLS = 8-3]		Compression	Mild
* Clitoral Gland [Inflammation TGLS = 2-2A]	Duct	Hyperplasia Inflammation	Squamous, Mild Moderate
* Harderian Gland		Hyperplasia	Minimal
* Kidney		Cyst Mineralization	Mild
* Liver [Eosinophilic Focus TGLS = 11-9]		Nephropathy Eosinophilic Focus	Minimal
* Lymph Node, Mandibular [Degeneration TGLS = 1-4]	Bile Duct	Hyperplasia	Minimal
* Mammary Gland [Fibroadenoma TGLS = 3-6A] [Hyperplasia TGLS = 9-6B]	Alveolus	Degeneration Infiltration Cellular	Cystic, Moderate Plasma Cell, Mild
* Nose	Nasolacrim Dct	Fibroadenoma Hyperplasia	Marked
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 572	TRT#: 7	SEX: Female	DAY ON TEST: 758
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300572

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy Cyst Hyperplasia	Moderate Sertoliform, Minimal
[Cyst TGLS = 4-2B]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Skin	Subcut Tiss	Granular Cell Tumor Benign	
Note: TGL 9 - noted grossly as Skin is Mammary gland			
Note: TGL 3 - noted grossly as Skin is Mammary gland			
[Granular Cell Tumor Benign TGLS = 12-15]			
* Spleen		Pigmentation	Mild
* Thymus		Cyst	
* Uterus	Endometrium Endometrium Cervix, Muscularis	Adenoma Hyperplasia Hypertrophy Polyp Stromal	Cystic, Mild
[Adenoma TGLS = 5-2]			
[Hypertrophy TGLS = 6-2]			
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL 12 - noted grossly as Lymph Node, inguinal is Skin

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 603

TRT#: 5

SEX: Female

DAY ON TEST: 757

DOSE: F1/2PPB TO CTL

DISP: Moribund Sacrifice

HISTO: 021380300603

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* 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	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 7-3]			
* Brain, Cerebellum		Hydrocephalus	Mild
* Clitoral Gland		Inflammation	Moderate
* Kidney		Mineralization	Mild
* Liver		Vacuolization Cytoplasmic	Moderate
* Lung	Artery	Mineralization	Minimal
Lymph Node	Lumbar	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Mild
[Hyperplasia TGLS = 4-15]			
[Infiltration Cellular TGLS = 4-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Hyperplasia TGLS = 3-4]			
[Infiltration Cellular TGLS = 3-4]			
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Marked
		Lactation	Mild
[Fibroadenoma TGLS = 2-6B]			
[Hyperplasia TGLS = 1-6A]			
* Nose	Nasolacrim Dct	Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 603	TRT#: 5	SEX: Female	DAY ON TEST: 757
	DOSE: F1/2PPB TO CTL	DISP: Moribund Sacrifice	HISTO: 021380300603

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa [Keratin Cyst TGLS = 6-14]		Keratin Cyst	
* Ovary		Atrophy	Marked
* Pituitary Gland [Adenoma TGLS = 8-1]	Pars Distalis	Adenoma	
* Skin Note: TGL 9 - NST [Inflammation TGLS = 5-6C]		Inflammation	Marked
* Spleen		Pigmentation	Mild
* Stomach, Forestomach		Edema	Moderate
		Hyperplasia	Moderate
		Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Minimal
* Vagina		Inflammation	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: TGL 6 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 607

TRT#: 1

SEX: Female

DAY ON TEST: 759

DOSE: F1 0PPB

DISP: Moribund Sacrifice

HISTO: 021380300607

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* 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	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 5-3]			
* Brain, Cerebellum		Hydrocephalus	Minimal
* Kidney		Cyst	
		Mineralization	Mild
		Nephropathy	Mild
[Cyst TGLS = 3-11]			
* Liver		Infiltration Cellular	Lymphocyte, Minimal
		Vacuolization Cytoplasmic	Mild
* Lung			
Note: TGL 6 - NCL			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-6B]			
[Hyperplasia TGLS = 1-6A]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Mild
		Hyperplasia	Sertoliform, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 607	TRT#: 1	SEX: Female	DAY ON TEST: 759
	DOSE: F1 0PPB	DISP: Moribund Sacrifice	HISTO: 021380300607

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-1]

* Spleen		Pigmentation	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Inflammation	Minimal
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 608

TRT#: 1

SEX: Female

DAY ON TEST: 761

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300608

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, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration Metaplasia	Cystic, Moderate Osseous, Moderate
[Degeneration TGLS = 2-1]			
* Brain, Brain Stem		Compression	Minimal
* Eye	Cornea	Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Mineralization	Minimal
[Cyst TGLS = 3-11]		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
	Periportal	Inflammation	Chronic, Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Popliteal	Degeneration	Cystic, Mild
	Lumbar	Hyperplasia	Lymphoid, Mild
	Popliteal	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
	Popliteal	Infiltration Cellular	Plasma Cell, Marked
[Degeneration TGLS = 5-15A]			
[Degeneration TGLS = 1-15]			
[Hyperplasia TGLS = 1-15]			
[Hyperplasia TGLS = 5-15A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 608	TRT#: 1	SEX: Female	DAY ON TEST: 761
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300608

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 1-15]			
[Infiltration Cellular TGLS = 5-15A]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Mild
	Alveolus	Hyperplasia	Moderate
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Moderate
		Cyst	
		Hyperplasia	Sertoliform, Moderate
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 6-6A]			
* Thyroid Gland		Ultimobranchial Cyst	Moderate
* Uterus	Endometrium	Hyperplasia	Minimal
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 610

TRT#: 1

SEX: Female

DAY ON TEST: 761

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300610

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	* Oviduct	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hypertrophy	Mild
* Clitoral Gland	Duct	Dilatation	Mild
[Dilatation TGLS = 1-2A]			
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Vacuolization Cytoplasmic	Mild
Note: TGL 4 - NCL			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 3-15A]			
[Hyperplasia TGLS = 3-15A]			
[Infiltration Cellular TGLS = 3-15A]			
* Mammary Gland		Atypical Focus	Minimal
		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:47
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 610	TRT#: 1	SEX: Female	DAY ON TEST: 761
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300610

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 2-15]			
* Nose	Respirat Epith	Hyperplasia	Mild
* Ovary		Atrophy	Moderate
		Hyperplasia	Sertoliform, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 5-1]			
* Spleen		Pigmentation	Mild
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 611

TRT#: 2

SEX: Female

DAY ON TEST: 762

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300611

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
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 7-1]		Degeneration	Cystic, Mild
* Brain, Brain Stem [Compression TGLS = 11-3]		Compression	Moderate
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Vacuolization Cytoplasmic	Mild
* Lung [Inflammation TGLS = 9-10]		Inflammation	Mild
Lymph Node	Lumbar	Degeneration	Cystic, Mild
	Lumbar	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 8-15C]			
[Hyperplasia TGLS = 8-15C]			
[Infiltration Cellular TGLS = 8-15C]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 4-4]			
[Infiltration Cellular TGLS = 4-4]			
* Mammary Gland		Adenocarcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 611	TRT#: 2	SEX: Female	DAY ON TEST: 762
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300611

ORGAN AND ACCOUNTABLE SITE STATUS

		Atypical Focus	Minimal
		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Minimal
		Lactation	Mild
	[Adenocarcinoma TGLS = 2-15A]		
	[Fibroadenoma TGLS = 1,3-15+15B]		
* Nose		Hemorrhage	Marked
* Ovary		Atrophy	Marked
Note: TGL 5 - NCL			
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 10-1]		
* Spleen		Pigmentation	Mild
* Thymus		Cyst	
* Thyroid Gland	C Cell	Adenoma	
	[Adenoma TGLS = 12-5]		
* Uterus	Endometrium	Adenocarcinoma	
	[Adenocarcinoma TGLS = 6-2]		
* Vagina	Mucocyte	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 612

TRT#: 2

SEX: Female

DAY ON TEST: 761

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300612

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	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 7,8-1]		Degeneration	Cystic, Marked
* Clitoral Gland [Dilatation TGLS = 5-2A] [Inflammation TGLS = 5-2A]	Duct	Dilatation Inflammation	Moderate Moderate
* Eye	Bilateral, Retina	Degeneration	Minimal
* Harderian Gland		Hyperplasia	Mild
* Kidney [Cyst TGLS = 9-11]		Cyst Mineralization Nephropathy	Moderate Minimal
* Liver [Cyst TGLS = 10-9]	Bile Duct	Cyst Hyperplasia	Minimal
* Lymph Node, Mandibular [Hyperplasia TGLS = 1-4] [Infiltration Cellular TGLS = 1-4]		Hyperplasia Infiltration Cellular	Lymphoid, Mild Plasma Cell, Moderate
* Mammary Gland [Fibroadenoma TGLS = 2,3-15+15A]	Alveolus	Fibroadenoma Hyperplasia	Multiple Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 612	TRT#: 2	SEX: Female	DAY ON TEST: 761
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300612

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Intermed	Cyst	
* Skin		Inflammation	Moderate
[Inflammation TGLS = 4-6A]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Hyperplasia	Mild
[Hyperplasia TGLS = 6-2]			
* Vagina	Mucocyte	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 613

TRT#: 5

SEX: Female

DAY ON TEST: 761

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300613

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, Mesenteric
* Nose	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 5-1]		Degeneration	Cystic, Marked
* Brain Stem Note: TGL 7 - NCL			
* Brain, Cerebrum [Astrocytoma Nos TGLS = 11-3]		Astrocytoma Nos	
* Clitoral Gland [Dilatation TGLS = 4-2A] [Inflammation TGLS = 4-2A]	Duct	Dilatation Inflammation	Moderate Moderate
* Eye		Cataract	
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver	Bile Duct Periportal	Hyperplasia Inflammation	Minimal Chronic, Minimal
* Lung [Infiltration Cellular TGLS = 9,10-10]		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Mild
		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 613	TRT#: 5	SEX: Female	DAY ON TEST: 761
	DOSE: F1/2PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300613

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 2,3-15+15A]		Lactation	Mild
* Ovary		Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild
		Hyperplasia	Sertoliform, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Skin		Inflammation	Moderate
Note: TGL 1 - NCL			
[Inflammation TGLS = 8-6B]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 614	TRT#: 3	SEX: Female	DAY ON TEST: 761
	DOSE: F1 10 PPB	DISP: Terminal Sacrifice	HISTO: 021380300614

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	* Liver	* Lung	* Lymph Node, Mesenteric
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Vagina		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Clitoral Gland	Duct	Hyperplasia	Squamous, Mild
* Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Lung			
Note: TGL 5 - NCL			
Lymph Node	Mediastinal	Hemorrhage	Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Hemorrhage TGLS = 6-15A]			
[Infiltration Cellular TGLS = 4-15]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 2-4]			
* Mammary Gland	Alveolus	Hyperplasia	Minimal
		Lactation	Mild
* Nose		Inflammation	Minimal
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Inflammation	Moderate
[Inflammation TGLS = 1-6A]			
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 614	TRT#: 3	SEX: Female	DAY ON TEST: 761
	DOSE: F1 10 PPB	DISP: Terminal Sacrifice	HISTO: 021380300614

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia Polyp Stromal	Cystic, Minimal

[Polyp Stromal TGLS = 3-2]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 615

TRT#: 3

SEX: Female

DAY ON TEST: 761

DOSE: F1 10 PPB

DISP: Terminal Sacrifice

HISTO: 021380300615

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
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 3-3]			
* Clitoral Gland		Inflammation	Mild
* Eye		Cataract	
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
* Lung	Perivascular	Inflammation	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Moderate
	Alveolus	Hyperplasia	Marked
		Lactation	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Moderate
		Cyst	
[Cyst TGLS = 1-2B]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 615	TRT#: 3	SEX: Female	DAY ON TEST: 761
	DOSE: F1 10 PPB	DISP: Terminal Sacrifice	HISTO: 021380300615

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Moderate
* Stomach, Glandular	Glands	Dilatation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	
* Vagina	Mucocyte	Hyperplasia	Mild
		Inflammation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 616

TRT#: 3

SEX: Female

DAY ON TEST: 761

DOSE: F1 10 PPB

DISP: Terminal Sacrifice

HISTO: 021380300616

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	* Liver	* Lymph Node, Mesenteric
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 2-1]		Degeneration	Cystic, Moderate
* Clitoral Gland		Inflammation	Moderate
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Lung [Infiltration Cellular TGLS = 4-10]		Infiltration Cellular	Histiocyte, Mild
Lymph Node [Degeneration TGLS = 3-15A]	Lumbar	Degeneration	Cystic, Moderate
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Nose [Fibroadenoma TGLS = 1,6-15+15B]	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 616	TRT#: 3	SEX: Female	DAY ON TEST: 761
	DOSE: F1 10 PPB	DISP: Terminal Sacrifice	HISTO: 021380300616

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Hyperplasia	Atypical, Focal, Mild
		Metaplasia	Squamous, Mild
[Hyperplasia TGLS = 7-2]			
* Vagina	Mucocyte	Hyperplasia	Mild
		Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 617

TRT#: 6

SEX: Female

DAY ON TEST: 761

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300617

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, Mesenteric
* Nose	* Ovary	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Moderate
		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLS = 1,4-15+15A]			
* Pancreas	Acinar Cell	Degeneration	Minimal
		Lipomatosis	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Uterus		Polyp Stromal	
		Sarcoma Stromal	
[Polyp Stromal TGLS = 2-2]			
[Sarcoma Stromal TGLS = 3-2C]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 617

TRT#: 6

SEX: Female

DAY ON TEST: 761

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300617

ORGAN AND ACCOUNTABLE SITE STATUS

* Vagina

Mucocyte

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 618

TRT#: 6

SEX: Female

DAY ON TEST: 761

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300618

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	* Liver	* Lung	* Lymph Node, Mesenteric
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Clitoral Gland		Inflammation	Mild
* Eye	Bilateral, Retina	Degeneration	Mild
* Kidney		Mineralization	Minimal
Lymph Node	Axillary	Hyperplasia	Lymphoid, Moderate
	Inguinal	Hyperplasia	Lymphoid, Moderate
	Lumbar	Hyperplasia	Lymphoid, Moderate
	Axillary	Infiltration Cellular	Plasma Cell, Marked
	Inguinal	Infiltration Cellular	Plasma Cell, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Hyperplasia TGLS = 5-15B]			
[Hyperplasia TGLS = 3-15A]			
[Hyperplasia TGLS = 2-15]			
[Infiltration Cellular TGLS = 2-15]			
[Infiltration Cellular TGLS = 3-15A]			
[Infiltration Cellular TGLS = 5-15B]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland	Alveolus	Hyperplasia	Moderate
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Mild
* Pancreas	Acinar Cell	Degeneration	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 618	TRT#: 6	SEX: Female	DAY ON TEST: 761
	DOSE: F1/10PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300618

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 4-1]	Pars Distalis	Adenoma	
* Skin [Inflammation TGLS = 1-6A]		Inflammation	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Cyst	
* Thyroid Gland		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 619

TRT#: 6

SEX: Female

DAY ON TEST: 761

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300619

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	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Clitoral Gland		Inflammation	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Liver		Infiltration Cellular	Lymphocyte, Minimal
* Lung			
Note: Agonal blood aspiration noted			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Atypical Focus	Minimal
		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
[Fibroadenoma TGLS = 1-15]			
* Nose	Nasolacrim Dct	Inflammation	Mild
Note: Agonal hemorrhage noted in nasal passage			
* Ovary		Atrophy	Mild
		Hyperplasia	Sertoliform, Mild
* Pancreas	Acinar Cell	Degeneration	Mild
		Lipomatosis	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Mild
* Thymus		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 619

TRT#: 6

SEX: Female

DAY ON TEST: 761

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300619

ORGAN AND ACCOUNTABLE SITE STATUS

* Vagina

Mucocyte

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 620	TRT#: 6	SEX: Female	DAY ON TEST: 761
	DOSE: F1/10PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300620

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	* Liver	* Lung	* Lymph Node, Mesenteric
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 2-1]		Degeneration	Cystic, Moderate
* Brain, Brain Stem [Compression TGLS = 4-3]		Compression	Moderate
* Clitoral Gland	Duct	Hyperplasia Inflammation	Squamous, Mild Mild
* Kidney		Mineralization Nephropathy	Mild Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus Fibroadenoma	Minimal
	Alveolus	Hyperplasia Lactation	Moderate Mild
	[Fibroadenoma TGLS = 1-15]		
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Mild
* Pituitary Gland [Adenoma TGLS = 3-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Minimal
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 621

TRT#: 4

SEX: Female

DAY ON TEST: 761

DOSE: F1 50 PPB

DISP: Terminal Sacrifice

HISTO: 021380300621

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
* Liver	* Oviduct	* Pancreas	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hypertrophy	Mild
* Clitoral Gland	Duct	Dilatation	Moderate
		Inflammation	Mild
[Inflammation TGLS = 2-2A]			
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Hyperplasia	Minimal
* Kidney		Cyst	
		Mineralization	Mild
		Nephropathy	Minimal
* Lung		Infiltration Cellular	Lymphocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 3-4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-15]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Moderate
	Corpus Luteum	Cyst	
		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 621	TRT#: 4	SEX: Female	DAY ON TEST: 761
	DOSE: F1 50 PPB	DISP: Terminal Sacrifice	HISTO: 021380300621

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland		Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-1]		
* Skin		Inflammation	Marked
	[Inflammation TGLS = 5-6A]		
* Spleen		Pigmentation	Minimal
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 622

TRT#: 4

SEX: Female

DAY ON TEST: 761

DOSE: F1 50 PPB

DISP: Terminal Sacrifice

HISTO: 021380300622

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
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 4-3]			
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Note: TGL 5 - NCL			
[Infiltration Cellular TGLS = 6,7-10A]			
* Lym Node Mand			
Note: TGL 1 - NCL			
* Mammary Gland		Galactocele	
	Alveolus	Hyperplasia	Minimal
		Lactation	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
		Cyst	
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 622	TRT#: 4	SEX: Female	DAY ON TEST: 761
	DOSE: F1 50 PPB	DISP: Terminal Sacrifice	HISTO: 021380300622

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus [Hyperplasia TGLS = 2-2]	Endometrium	Hyperplasia	Cystic, Mild
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 623	TRT#: 4	SEX: Female	DAY ON TEST: 761
	DOSE: F1 50 PPB	DISP: Terminal Sacrifice	HISTO: 021380300623

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Hyperplasia Degeneration Lipomatosis	Sertoliform, Mild Mild Moderate
* Pituitary Gland [Adenoma TGLS = 4-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Mild
* Uterus [Hyperplasia TGLS = 6-2]	Endometrium	Hyperplasia	Cystic, Mild
* Vagina		Inflammation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 624

TRT#: 7

SEX: Female

DAY ON TEST: 762

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300624

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
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus	* Vagina	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Clitoral Gland	Duct	Dilatation	Moderate
		Inflammation	Mild
	[Dilatation TGLS = 1-2A]		
	[Inflammation TGLS = 1-2A]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Mild
	Alveolus	Hyperplasia	Mild
* Ovary		Hyperplasia	Sertoliform, Minimal
Note: TGL 2 - NCL			
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Inflammation	Marked
	[Inflammation TGLS = 3-6A]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 624

TRT#: 7

SEX: Female

DAY ON TEST: 762

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300624

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 625

TRT#: 7

SEX: Female

DAY ON TEST: 762

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300625

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, Mesenteric	* Oviduct	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy	Cystic, Minimal Mild
[Degeneration TGLS = 4-1]			
* Clitoral Gland	Duct	Dilatation Inflammation	Mild Mild
* Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Mild
* Liver	Bile Duct Periportal	Hyperplasia Inflammation	Mild Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 5-10+10A]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 2-4]			
* Mammary Gland	Alveolus	Hyperplasia	Moderate
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy Cyst	Mild
[Cyst TGLS = 3-2B]			
* Pancreas	Acinar Cell	Degeneration	Minimal
* Parathyroid Gland		Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Inflammation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 625	TRT#: 7	SEX: Female	DAY ON TEST: 762
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300625

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 1-6A]

* Thyroid Gland	C Cell	Carcinoma	
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 626	TRT#: 7	SEX: Female	DAY ON TEST: 761
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300626

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	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 8-1]			
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 11-3]			
* Clitoral Gland		Inflammation	Moderate
[Inflammation TGLS = 5-2A]			
* Harderian Gland		Hyperplasia	Minimal
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
Note: TGL 10 - NCL			
* Kidney		Cyst	
		Mineralization	Mild
		Nephropathy	Minimal
* Liver	Caudate Lobe	Developmental Malformation	
		Eosinophilic Focus	Multiple
		Vacuolization Cytoplasmic	Mild
[Developmental Malformation TGLS = 13-9]			
* Lung		Hemorrhage	Mild
Lymph Node	Lumbar	Degeneration	Cystic, Marked
	Lumbar	Hyperplasia	Lymphoid, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 626

TRT#: 7

SEX: Female

DAY ON TEST: 761

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300626

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLS = 9-15]			
* Lymph Node, Mandibular		Hyperplasia Infiltration Cellular	Lymphoid, Mild Plasma Cell, Moderate
[Hyperplasia TGLS = 2-4]			
[Infiltration Cellular TGLS = 2-4]			
* Mammary Gland		Atypical Focus Fibroadenoma Hyperplasia Lactation	Minimal Multiple Moderate Mild
	Alveolus		
[Fibroadenoma TGLS = 3,4,7-15A+15B+15C]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy Granulosa Cell Tumor Benign Hyperplasia	Mild Sertoliform, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 12-1]			
* Skin		Inflammation	Marked
Note: TGL 6 - NCL			
Note: TGL 6 is a normal fat pad.			
[Inflammation TGLS = 1-6A]			
* Thymus		Cyst	
* Vagina	Mucocyte	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 627

TRT#: 7

SEX: Female

DAY ON TEST: 761

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300627

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, Mesenteric
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy Compression	Cystic, Minimal Mild Mild
* Brain, Brain Stem [Compression TGLS = 5-3]			
* Clitoral Gland	Duct	Hyperplasia Inflammation	Squamous, Moderate Moderate
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization Nephropathy	Mild Minimal
* Liver		Basophilic Focus Hematopoietic Cell Proliferation	Minimal
* Lung [Infiltration Cellular TGLS = 3-10]		Infiltration Cellular	Histiocyte, Moderate
* Lymph Node, Mandibular		Hyperplasia Infiltration Cellular	Lymphoid, Mild Plasma Cell, Mild
* Mammary Gland		Atypical Focus Fibroadenoma	Minimal Multiple
	Alveolus	Hyperplasia Lactation	Moderate Moderate
[Fibroadenoma TGLS = 1,2-15+15A]			
* Nose	Nasolacrim Dct	Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 627	TRT#: 7	SEX: Female	DAY ON TEST: 761
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300627

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 6-6A]			
* Spleen		Pigmentation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Hyperplasia	Atypical, Focal, Minimal
* Vagina	Mucocyte	Hyperplasia	Minimal
		Inflammation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 628

TRT#: 7

SEX: Female

DAY ON TEST: 761

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300628

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	* Oviduct
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Urinary Bladder		

OBSERVATIONS

* Clitoral Gland		Inflammation	Marked
[Inflammation TGLS = 2-2A]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Angiectasis	Mild
[Angiectasis TGLS = 8-9A]		Vacuolization Cytoplasmic	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 7-15]			
[Hyperplasia TGLS = 7-15]			
[Infiltration Cellular TGLS = 7-15]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 4-4]			
* Lymph Node, Mesenteric		Depletion Lymphoid	Mild
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
[Fibroadenoma TGLS = 3-15A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 628	TRT#: 7	SEX: Female	DAY ON TEST: 761
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300628

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Mild
		Cyst	
		Hyperplasia	Sertoliform, Minimal
[Cyst TGLS = 5-2B]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 1-6A]			
* Trachea		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 6-2]			
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 657

TRT#: 1

SEX: Female

DAY ON TEST: 761

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300657

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	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain, Brain Stem		Compression	Minimal
[Compression TGLS = 3-3]			
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
	Periportal	Inflammation	Chronic, Minimal
* Lung		Hemorrhage	Moderate
	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Mild
[Hemorrhage TGLS = 4-10A]			
[Hyperplasia TGLS = 4-10A]			
[Inflammation TGLS = 4-10A]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 657	TRT#: 1	SEX: Female	DAY ON TEST: 761
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300657

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland	Alveolus	Hyperplasia	Moderate
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Spleen		Pigmentation	Mild
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 658

TRT#: 2

SEX: Female

DAY ON TEST: 762

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300658

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	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Clitoral Gland		Atrophy	Moderate
	Duct	Dilatation	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Minimal
	[Hepatocellular Adenoma TGLS = 9-9]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Atypical Focus	Minimal
		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
	[Fibroadenoma TGLS = 1,2,3,4,7-15+15A+15B+15C+15D]		
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Angiectasis	Minimal
		Atrophy	Marked
		Cyst	
	[Angiectasis TGLS = 5-2B]		
* Pancreas	Acinar Cell	Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 658	TRT#: 2	SEX: Female	DAY ON TEST: 762
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300658

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 8-1]	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Cyst	
* Uterus [Hyperplasia TGLS = 6-2]	Endometrium	Hyperplasia Hyperplasia Metaplasia	Cystic, Moderate Atypical, Focal, Mild Squamous, Minimal
* Vagina	Mucocyte	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 659

TRT#: 5

SEX: Female

DAY ON TEST: 762

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300659

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, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mesenteric	* Nose	* Oviduct
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 2-1]		Degeneration	Cystic, Mild
* Clitoral Gland [Dilatation TGLS = 1-2A]	Duct	Dilatation	Mild
* Intestine Large, Cecum		Dilatation	Mild
* Intestine Large, Colon [Carcinoma TGLS = 3-7]		Carcinoma	
* Kidney		Cyst	
		Mineralization	Moderate
		Nephropathy	Minimal
* Lung	Artery	Mineralization	Minimal
Lymph Node [Degeneration TGLS = 4-15] [Infiltration Cellular TGLS = 4-15]		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Ovary		Atrophy	Mild
		Hyperplasia	Sertoliform, Minimal
* Spleen		Pigmentation	Minimal
* Stom Gland			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 659

TRT#: 5

SEX: Female

DAY ON TEST: 762

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300659

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 5 - noted grossly as Stomach, Glandular is Stomach, Forestomach

* Stomach, Forestomach

[Squamous Cell Papilloma TGLS = 5-7]

Squamous Cell Papilloma

* Thymus

Cyst

* Uterus

Hyperplasia

Atypical, Focal, Minimal

* Vagina

Mucocyte

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 4 - noted grossly as Mesentery is Lymph Node

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 660

TRT#: 5

SEX: Female

DAY ON TEST: 762

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300660

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	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Clitoral Gland		Atrophy	Mild
	Duct	Dilatation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Mineralization	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
	Periportal	Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Perivascular	Inflammation	Mild
	Artery	Mineralization	Mild
	[Infiltration Cellular TGLS = 4-10A]		
	[Mineralization TGLS = 4-10A]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Mammary Gland		Atypical Focus	Minimal
	Alveolus	Hyperplasia	Mild
* Ovary		Atrophy	Mild
		Cyst	
		Hyperplasia	Sertoliform, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 660	TRT#: 5	SEX: Female	DAY ON TEST: 762
	DOSE: F1/2PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300660

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 2-6A]			
* Spleen		Pigmentation	Minimal
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 661

TRT#: 3

SEX: Female

DAY ON TEST: 762

DOSE: F1 10 PPB

DISP: Terminal Sacrifice

HISTO: 021380300661

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	* Lymph Node, Mesenteric	* Oviduct	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	
		Mineralization	Mild
[Cyst TGLS = 4-11]			
* Liver		Cyst Multilocular	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 3-4]			
[Hyperplasia TGLS = 3-4]			
[Infiltration Cellular TGLS = 3-4]			
* Mammary Gland		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLS = 1,2-15A+15B]			
* Nose	Olfactory Epi	Hyaline Droplet	Minimal
	Nasolacrim Dct	Inflammation	Mild
Oral Mucosa		Keratin Cyst	
[Keratin Cyst TGLS = 6-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 661	TRT#: 3	SEX: Female	DAY ON TEST: 762
	DOSE: F1 10 PPB	DISP: Terminal Sacrifice	HISTO: 021380300661

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Pigmentation	Minimal
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Hyperplasia	Atypical, Focal, Mild
		Metaplasia	Squamous, Minimal
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 6 - noted grossly as Cavity, oral is Oral Mucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 662

TRT#: 3

SEX: Female

DAY ON TEST: 762

DOSE: F1 10 PPB

DISP: Terminal Sacrifice

HISTO: 021380300662

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	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 3-1]		Degeneration	Cystic, Mild
* Clitoral Gland		Inflammation	Mild
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver	Bile Duct Periportal	Hyperplasia Inflammation	Minimal Chronic, Minimal
* Lung [Infiltration Cellular TGLS = 2-10]		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular [Infiltration Cellular TGLS = 4-4]		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland [Fibroadenoma TGLS = 1-15]	Alveolus	Atypical Focus Fibroadenoma Hyperplasia Lactation	Minimal Moderate Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy Hyperplasia	Mild Sertoliform, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 662

TRT#: 3

SEX: Female

DAY ON TEST: 762

DOSE: F1 10 PPB

DISP: Terminal Sacrifice

HISTO: 021380300662

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Pigmentation

Moderate

* Vagina

Mucocyte

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 663

TRT#: 6

SEX: Female

DAY ON TEST: 762

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300663

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	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Marked
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Moderate
	[Dilatation TGLS = 3-2A]		
	[Inflammation TGLS = 3-2A]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Periportal	Inflammation	Chronic, Minimal
		Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Moderate
	[Fibroadenoma TGLS = 1,2-15+15A]		
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild
		Hyperplasia	Sertoliform, Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 663	TRT#: 6	SEX: Female	DAY ON TEST: 762
	DOSE: F1/10PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300663

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 4-1]			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Mild
* Thymus			
Note: Recut / Wet tissue attempted			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 664

TRT#: 6

SEX: Female

DAY ON TEST: 762

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300664

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
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Clitoral Gland		Atrophy	Mild
[Atrophy TGLS = 4-2A]			
* Harderian Gland		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
* Liver		Vacuolization Cytoplasmic	Moderate
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Hyperplasia TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
[Fibroadenoma TGLS = 2-15]			
* Ovary		Atrophy	Moderate
		Cyst	
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 664	TRT#: 6	SEX: Female	DAY ON TEST: 762
	DOSE: F1/10PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300664

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Mild
* Thymus			
Note: Recut attempted			
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 665

TRT#: 6

SEX: Female

DAY ON TEST: 762

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300665

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
* Lung	* Lymph Node, Mesenteric	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Adrenal Medulla

OBSERVATIONS

* Adren Medulla

Note: No recut attempt per pathologist (Obscured by TGL 5)

* Adrenal Cortex

[Degeneration TGLS = 5-1]

* Clitoral Gland

[Inflammation TGLS = 1-2A]

* Harderian Gland

* Kidney

[Cyst TGLS = 6-11]

* Liver

Bile Duct

Lymph Node

Lumbar

Mediastinal, Sinus

Mediastinal

Lumbar

[Degeneration TGLS = 7-15]

[Dilatation TGLS = 8-15A]

Adenoma

Degeneration

Inflammation

Inflammation

Cyst

Mineralization

Nephropathy

Eosinophilic Focus

Hyperplasia

Degeneration

Dilatation

Hemorrhage

Infiltration Cellular

Cystic, Moderate

Moderate

Minimal

Minimal

Minimal

Minimal

Cystic, Moderate

Moderate

Moderate

Plasma Cell, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 665	TRT#: 6	SEX: Female	DAY ON TEST: 762
	DOSE: F1/10PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300665

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLS = 8-15A] [Infiltration Cellular TGLS = 7-15]			
* Lymph Node, Mandibular		Hyperplasia Infiltration Cellular	Lymphoid, Mild Plasma Cell, Mild
[Hyperplasia TGLS = 4-4] [Infiltration Cellular TGLS = 4-4]			
* Mammary Gland		Atypical Focus Fibroadenoma	Mild Multiple
	Alveolus	Hyperplasia Lactation	Moderate Mild
[Fibroadenoma TGLS = 2,3-15B+15C]			
* Nose	Olfactory Epi Nasolacrim Dct	Hyaline Droplet Inflammation	Minimal Minimal
* Ovary		Atrophy Hyperplasia	Mild Sertoliform, Minimal
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 10-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 9-6A]			
* Thymus		Cyst	
* Uterus	Endometrium Endometrium	Hyperplasia Hyperplasia	Cystic, Mild Mild
[Hyperplasia TGLS = 11-2]			
* Vagina	Mucocyte	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:48

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 666

TRT#: 4

SEX: Female

DAY ON TEST: 762

DOSE: F1 50 PPB

DISP: Terminal Sacrifice

HISTO: 021380300666

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	* Liver
* Lung	* Nose	* Oviduct	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
[Degeneration TGLS = 3-1]			
* Kidney		Mineralization	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Depletion Lymphoid	Moderate
	Sinus	Dilatation	Marked
* Mammary Gland		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
[Fibroadenoma TGLS = 1-15]		Lactation	Minimal
* Ovary		Atrophy	Marked
		Cyst	
[Cyst TGLS = 2-2B]		Hyperplasia	Sertoliform, Mild
* Spleen		Pigmentation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Hyperplasia	Marked
		Hyperplasia	Atypical, Focal, Mild
[Hyperplasia TGLS = 4-2]		Metaplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 666	TRT#: 4	SEX: Female	DAY ON TEST: 762
	DOSE: F1 50 PPB	DISP: Terminal Sacrifice	HISTO: 021380300666

ORGAN AND ACCOUNTABLE SITE STATUS

* Vagina	Mucocyte	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 667

TRT#: 4

SEX: Female

DAY ON TEST: 762

DOSE: F1 50 PPB

DISP: Terminal Sacrifice

HISTO: 021380300667

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	* Liver	* Lymph Node, Mesenteric	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hypertrophy	Mild
* Brain, Brain Stem		Compression	Moderate
		Hemorrhage	Minimal
[Compression TGLS = 4-3]			
* Clitoral Gland		Inflammation	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 2-10]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Atypical Focus	Mild
	Duct	Dilatation	Moderate
	Alveolus	Hyperplasia	Mild
* Nose	Olfactory Epi	Hyaline Droplet	Minimal
Note: Keratin cyst observed in the nasal turbinates is recorded as Keratin cyst, Oral Mucosa.			
Oral Mucosa		Keratin Cyst	
Note: Located on slide 14 with the routine section of nasal turbinates.			
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Moderate
* Pancreas	Acinar Cell	Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 667	TRT#: 4	SEX: Female	DAY ON TEST: 762
	DOSE: F1 50 PPB	DISP: Terminal Sacrifice	HISTO: 021380300667

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 3-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Moderate
* Uterus [Hyperplasia TGLS = 1-2] [Hyperplasia TGLS = 1-2]	Endometrium	Hyperplasia Hyperplasia	Mild Atypical, Focal, Minimal
* Vagina	Mucocyte	Hyperplasia Inflammation	Minimal Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 668

TRT#: 4

SEX: Female

DAY ON TEST: 762

DOSE: F1 50 PPB

DISP: Terminal Sacrifice

HISTO: 021380300668

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	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Vagina

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Clitoral Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
Note: Routine lung section submitted on slide 10.			
[Infiltration Cellular TGLS = 5-10+10A]			
* Lym Node Mesen			
Note: TGL 3 - NCL			
Lymph Node	Lumbar	Degeneration	Cystic, Mild
	Lumbar	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 1-15]			
[Hyperplasia TGLS = 1-15]			
[Infiltration Cellular TGLS = 1-15]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Minimal
* Mammary Gland		Atypical Focus	Minimal
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 668	TRT#: 4	SEX: Female	DAY ON TEST: 762
	DOSE: F1 50 PPB	DISP: Terminal Sacrifice	HISTO: 021380300668

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Hyperplasia	Sertoliform, Mild
* Pituitary Gland	Pars Distalis	Degeneration	Mild
[Adenoma TGLS = 2-1]			
* Spleen		Pigmentation	Minimal
* Thyroid Gland		Ultimobranchial Cyst	Mild
* Uterus	Endometrium	Hyperplasia	Moderate
		Hyperplasia	Atypical, Focal, Mild
		Metaplasia	Squamous, Minimal
[Hyperplasia TGLS = 4-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 669

TRT#: 4

SEX: Female

DAY ON TEST: 762

DOSE: F1 50 PPB

DISP: Terminal Sacrifice

HISTO: 021380300669

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	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Clitoral Gland		Inflammation	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Artery	Infiltration Cellular	Histiocyte, Mild
		Mineralization	Mild
[Infiltration Cellular TGLS = 3-10]			
Lymph Node	Lumbar	Degeneration	Cystic, Mild
	Lumbar	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 4-15]			
[Hyperplasia TGLS = 4-15]			
[Infiltration Cellular TGLS = 4-15]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 1-4]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Mammary Gland		Atypical Focus	Mild
		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Moderate
[Fibroadenoma TGLS = 2-15A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 669	TRT#: 4	SEX: Female	DAY ON TEST: 762
	DOSE: F1 50 PPB	DISP: Terminal Sacrifice	HISTO: 021380300669

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
	Granulosa Cell	Hyperplasia	Moderate
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: TGL 6 - NCL			
* Spleen		Pigmentation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Hyperplasia	Atypical, Focal, Mild
[Hyperplasia TGLS = 5-2]			
* Vagina		Inflammation	Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 670

TRT#: 4

SEX: Female

DAY ON TEST: 762

DOSE: F1 50 PPB

DISP: Terminal Sacrifice

HISTO: 021380300670

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	* Lymph Node, Mesenteric
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Vagina

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Artery	Mineralization	Mild
Lymph Node	Pancreatic	Hemorrhage	Mild
	Pancreatic	Pigmentation	Mild
[Hemorrhage TGLS = 4-15]			
[Pigmentation TGLS = 4-15]			
* Lymph Node, Mandibular		Degeneration	Cystic, Marked
[Degeneration TGLS = 1-4]			
* Mammary Gland		Atypical Focus	Minimal
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Nose	Olfactory Epi	Hyaline Droplet	Mild
* Ovary		Atrophy	Marked
		Cyst	
		Hyperplasia	Sertoliform, Mild
[Cyst TGLS = 2-2B]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 670	TRT#: 4	SEX: Female	DAY ON TEST: 762
	DOSE: F1 50 PPB	DISP: Terminal Sacrifice	HISTO: 021380300670

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Minimal
* Uterus	Endometrium	Adenoma	
[Adenoma TGLS = 3-2+2C]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 671

TRT#: 7

SEX: Female

DAY ON TEST: 762

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300671

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	* Kidney	* Lung
* Lymph Node, Mesenteric	* Nose	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 7-1]		Degeneration	Cystic, Mild
* Heart		Cardiomyopathy	Minimal
* Liver [Hepatocellular Adenoma TGLS = 9-9]		Basophilic Focus Hepatocellular Adenoma	
* Lymph Node, Mandibular [Infiltration Cellular TGLS = 3-4]		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Atypical Focus Fibroadenoma Hyperplasia	Moderate Multiple Moderate
	Alveolus		
[Fibroadenoma TGLS = 2,4,5-15+15A+15B]			
* Ovary		Atrophy Cyst Hyperplasia	Mild Sertoliform, Mild
[Cyst TGLS = 6-2B]			
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland [Adenoma TGLS = 8-1]	Pars Distalis	Adenoma	
* Skin [Inflammation TGLS = 1-6A]		Inflammation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 671	TRT#: 7	SEX: Female	DAY ON TEST: 762
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300671

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Minimal
* Thymus		Cyst	
* Thyroid Gland		Ultimobranchial Cyst	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
* Vagina	Mucocyte	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 672

TRT#: 7

SEX: Female

DAY ON TEST: 762

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300672

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, Mesenteric	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Mineralization	Mild
[Cyst TGLS = 6-11]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 5-4]			
* Mammary Gland		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Mild
[Fibroadenoma TGLS = 2,3,4-15+15A+15B]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Mild
		Hyperplasia	Sertoliform, Mild
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Inflammation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 672	TRT#: 7	SEX: Female	DAY ON TEST: 762
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300672

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 1-6A]			
* Vagina	Mucocyte	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 673

TRT#: 7

SEX: Female

DAY ON TEST: 762

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300673

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, Mesenteric	* Nose
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Vagina		

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Degeneration	Cystic, Mild
[Adenoma TGLS = 7-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Moderate
* Liver		Basophilic Focus	
		Vacuolization Cytoplasmic	Minimal
* Lung	Artery	Mineralization	Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Mild
	Lumbar	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 10-15C]			
[Infiltration Cellular TGLS = 10-15C]			
* Lymph Node, Mandibular		Degeneration	Cystic, Marked
[Degeneration TGLS = 3-4]			
* Mammary Gland		Adenocarcinoma	
		Atypical Focus	Minimal
		Fibroadenoma	
		Galactocele	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 673

TRT#: 7

SEX: Female

DAY ON TEST: 762

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300673

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenocarcinoma TGLS = 1-15B]			
[Fibroadenoma TGLS = 2-15A]			
[Galactocele TGLS = 8-15]			
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 6-6A]			
* Stomach, Forestomach		Keratin Cyst	
[Keratin Cyst TGLS = 9-7A]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Polyp Stromal	
[Hyperplasia TGLS = 4-2]			
[Polyp Stromal TGLS = 4-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 674

TRT#: 7

SEX: Female

DAY ON TEST: 762

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300674

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	* Oviduct	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
[Degeneration TGLS = 6-1]			
* Clitoral Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Mineralization	Moderate
* Liver		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 12-9A]		Vacuolization Cytoplasmic	Mild
* Lung		Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLS = 9-10]			
Lymph Node	Renal	Degeneration	Cystic, Moderate
	Lumbar	Hyperplasia	Lymphoid, Mild
	Renal	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
	Mediastinal	Infiltration Cellular	Plasma Cell, Moderate
	Renal	Infiltration Cellular	Plasma Cell, Moderate

Note: TGL 2 - noted grossly as Lymph Node, inguinal is Mammary Gland

 [Degeneration TGLS = 8-15C]
 [Hyperplasia TGLS = 7-15B]
 [Infiltration Cellular TGLS = 8-15C]
 [Infiltration Cellular TGLS = 7-15B]
 [Infiltration Cellular TGLS = 13-15D]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 674	TRT#: 7	SEX: Female	DAY ON TEST: 762
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300674

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Hyperplasia TGLS = 3-4]		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Degeneration	Cystic, Mild
* Mammary Gland		Adenocarcinoma	
	Duct	Atypical Focus	Mild
		Dilatation	Mild
	Alveolus	Fibroadenoma	
		Hyperplasia	Moderate
		Lactation	Mild
[Adenocarcinoma TGLS = 2-15A] [Fibroadenoma TGLS = 1-15]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Moderate
		Cyst	
		Hyperplasia	Sertoliform, Minimal
[Cyst TGLS = 4-2B]			
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 11-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 10-6A]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Hyperplasia	Atypical, Focal, Mild
[Hyperplasia TGLS = 5-2]			
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 708

TRT#: 1

SEX: Female

DAY ON TEST: 762

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300708

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
* Liver	* Lung	* Oviduct	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Brain, Brain Stem		Compression	Minimal
[Compression TGLS = 7-3]			
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Hyperplasia	Lymphoid, Mild
	Axillary	Infiltration Cellular	Plasma Cell, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
		Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 5-15B]			
[Infiltration Cellular TGLS = 5-15B]			
[Infiltration Cellular TGLS = 1-15]			
[Infiltration Cellular TGLS = 2-15A]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Mild
		Pigmentation	Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
		Lactation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 708	TRT#: 1	SEX: Female	DAY ON TEST: 762
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300708

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Hyaline Droplet	Mild
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Mild
Note: Bursa has been removed from ovary.			
Note: TGL 3 - NCL			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach		Squamous Cell Papilloma	
* Thymus		Cyst	
* Thyroid Gland		Ultimobranchial Cyst	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Hyperplasia	Atypical, Focal, Minimal
[Hyperplasia TGLS = 4-2]			
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 709

TRT#: 1

SEX: Female

DAY ON TEST: 762

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300709

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Bone, Femur	* 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	* Liver
* Lung	* Lymph Node, Mesenteric	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 6-1]		Degeneration	Cystic, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Brain, Brain Stem [Compression TGLS = 10-3]		Compression	Mild
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
Lymph Node	Axillary	Degeneration	Cystic, Mild
	Lumbar	Degeneration	Cystic, Moderate
	Axillary	Infiltration Cellular	Plasma Cell, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 8-15B]			
[Degeneration TGLS = 7-15A]			
[Infiltration Cellular TGLS = 8-15B]			
[Infiltration Cellular TGLS = 7-15A]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Degeneration TGLS = 4-4]			
[Infiltration Cellular TGLS = 4-4]			
* Mammary Gland		Atypical Focus	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 709	TRT#: 1	SEX: Female	DAY ON TEST: 762
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300709

ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolus	Fibroadenoma Hyperplasia Lactation	Mild Minimal
	[Fibroadenoma TGLS = 3-15]		
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild
		Hyperplasia	Sertoliform, Mild
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 9-1]		
* Skin		Inflammation	Marked
		Squamous Cell Papilloma	
	[Inflammation TGLS = 1-6A]		
	[Squamous Cell Papilloma TGLS = 2-6B]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 5-2]		
* Vagina	Mucocyte	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:48

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 710

TRT#: 2

DOSE: F1 2PPB

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 763

HISTO: 021380300710

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, Mesenteric	* Oviduct	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy	Cystic, Moderate Mild
[Degeneration TGLS = 6-1]			
* Brain, Brain Stem		Compression	Mild
* Harderian Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Vacuolization Cytoplasmic	Minimal
* Lung		Edema	Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 7-15B]			
[Infiltration Cellular TGLS = 7-15B]			
* Lymph Node, Mandibular		Degeneration	Cystic, Moderate
		Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 3-4]			
[Infiltration Cellular TGLS = 3-4]			
* Mammary Gland		Adenocarcinoma Atypical Focus	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 710	TRT#: 2 DOSE: F1 2PPB	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 763 HISTO: 021380300710
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ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolus	Fibroadenoma Hyperplasia Lactation	Mild Minimal
	[Adenocarcinoma TGLS = 1-15] [Fibroadenoma TGLS = 2-15A]		
* Nose		Inflammation	Mild
* Ovary		Atrophy Cyst Hyperplasia	Marked Sertoliform, Minimal
	[Cyst TGLS = 4-2B]		
* Pancreas	Acinar Cell	Degeneration	Moderate
* Parathyroid Gland			
Note: Recut attempted			
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 9-1]		
* Skin		Inflammation	Marked
	[Inflammation TGLS = 8-6A]		
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Moderate
* Thyroid Gland		Inflammation Ultimobranchial Cyst	Chronic, Moderate Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLS = 5-2]		
* Vagina	Mucocyte	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 711

TRT#: 2

SEX: Female

DAY ON TEST: 763

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300711

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	* Liver
* Lung	* Lymph Node, Mesenteric	* Oviduct	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 3-1]		Degeneration	Cystic, Mild
* Brain, Brain Stem [Compression TGLS = 5-3]		Compression	Moderate
* Clitoral Gland		Inflammation	Mild
* Eye	Bilateral, Retina	Degeneration	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Lymph Node, Mandibular [Infiltration Cellular TGLS = 2-4]		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Atypical Focus	Moderate
	Duct	Dilatation	Moderate
		Galactocele	
	Alveolus	Hyperplasia	Marked
		Lactation	Moderate
			[Galactocele TGLS = 1-15]
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
		Cyst	
			[Atrophy TGLS = 7-2B]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 711	TRT#: 2	SEX: Female	DAY ON TEST: 763
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300711

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Uterus [Hyperplasia TGLS = 4-2]	Endometrium	Hyperplasia	Mild
* Vagina	Mucocyte	Hyperplasia	Mild
		Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 712

TRT#: 2

SEX: Female

DAY ON TEST: 762

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300712

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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, Mesenteric	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain, Brain Stem [Compression TGLS = 8-3]		Compression	Moderate
* Clitoral Gland		Inflammation	Mild
* Harderian Gland		Inflammation	Minimal
* Kidney		Cyst	
		Mineralization	Mild
		Nephropathy	Minimal
* Liver	Periportal	Inflammation	Chronic, Minimal
* Lym Node Mesen Note: TGL 7 - NCL			
Lymph Node	Lumbar	Degeneration	Cystic, Mild
	Lumbar	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 4-15]			
[Hyperplasia TGLS = 4-15]			
[Infiltration Cellular TGLS = 4-15]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Minimal
		Fibroadenoma	Multiple
		Lactation	Minimal
[Fibroadenoma TGLS = 1,2-15A+15B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 712	TRT#: 2	SEX: Female	DAY ON TEST: 762
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300712

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 6-6A]			
* Spleen		Pigmentation	Minimal
* Thyroid Gland		Ultimobranchial Cyst	Moderate
* Uterus		Atrophy	Mild
[Atrophy TGLS = 3-2]			
* Vagina		Inflammation	Moderate

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 713

TRT#: 2

SEX: Female

DAY ON TEST: 762

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300713

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	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Clitoral Gland		Inflammation	Moderate
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Mild
	Lumbar	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
		[Degeneration TGLS = 3-15B]	
		[Hyperplasia TGLS = 3-15B]	
		[Infiltration Cellular TGLS = 3-15B]	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Atypical Focus	Minimal
		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Moderate
		[Fibroadenoma TGLS = 1,2,4-15+15A+15C]	
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild
		Hyperplasia	Sertoliform, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 713	TRT#: 2	SEX: Female	DAY ON TEST: 762
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300713

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal
Note: TGL 5 - NCL			
* Spleen		Pigmentation	Mild
* Thymus			
Note: Wet tissue attempted			
* Uterus	Endometrium	Hyperplasia	Mild
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 714	TRT#: 5	SEX: Female	DAY ON TEST: 763
	DOSE: F1/2PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300714

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	* Oviduct	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
[Degeneration TGLS = 8-1]			
* Clitoral Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Mineralization	Moderate
[Cyst TGLS = 5-11]		Nephropathy	Minimal
* Liver		Vacuolization Cytoplasmic	Mild
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Hyperplasia	Lymphoid, Moderate
	Inguinal	Infiltration Cellular	Plasma Cell, Marked
[Degeneration TGLS = 6-15A]			
[Hyperplasia TGLS = 6-15A]			
[Infiltration Cellular TGLS = 3-15]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 2-4]			
[Infiltration Cellular TGLS = 2-4]			
* Lymph Node, Mesenteric		Degeneration	Cystic, Mild
* Mammary Gland	Alveolus	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 714	TRT#: 5 DOSE: F1/2PPB TO CTL	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 763 HISTO: 021380300714
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ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy Cyst	Mild
[Cyst TGLS = 4-2B]			
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 1-6A]			
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 715

TRT#: 5

SEX: Female

DAY ON TEST: 763

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300715

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	* Lung	* Lymph Node, Mesenteric	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 3-1]		Degeneration	Cystic, Marked
* Clitoral Gland		Inflammation	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Adenocarcinoma	
		Atypical Focus	Marked
	Alveolus	Hyperplasia	Minimal
	[Adenocarcinoma TGLS = 1-15]		
* Nose	Respirat Epith	Hyaline Droplet	Mild
	Nasolacrim Dct	Inflammation	Mild
		Inflammation	Mild
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Minimal
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Skin [Inflammation TGLS = 4-6A]		Inflammation	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 715	TRT#: 5	SEX: Female	DAY ON TEST: 763
	DOSE: F1/2PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300715

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus [Hyperplasia TGLS = 2-2]	Endometrium	Pigmentation Hyperplasia	Minimal Cystic, Moderate
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 716

TRT#: 5

SEX: Female

DAY ON TEST: 762

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300716

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	* Oviduct	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Clitoral Gland		Inflammation	Mild
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Nephropathy	Minimal
[Cyst TGLS = 3-11]			
* Liver		Cyst	
	Bile Duct	Hyperplasia	Mild
[Cyst TGLS = 8-9]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 7-10]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 2-4]			
* Mammary Gland		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Moderate
		Lactation	Minimal
[Fibroadenoma TGLS = 1,9-15+15A]			
* Nose	Nasolacrim Dct	Inflammation	Mild
		Inflammation	Mild
* Ovary		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 716	TRT#: 5	SEX: Female	DAY ON TEST: 762
	DOSE: F1/2PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300716

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Hyperplasia Degeneration	Sertoliform, Minimal Mild
* Parathyroid Gland			
Note: Recut / Wet tissue attempted			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 6-1]			
* Skin		Hyperkeratosis	Mild
[Hyperkeratosis TGLS = 5-6A]			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Minimal
* Thymus		Cyst	
* Uterus	Endometrium Endometrium	Hyperplasia Hyperplasia Polyp Stromal	Cystic, Mild Mild
[Polyp Stromal TGLS = 4-2]			
* Vagina	Mucocyte	Hyperplasia Inflammation	Mild Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 717

TRT#: 5

SEX: Female

DAY ON TEST: 762

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300717

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* 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, Mesenteric	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 3-3]			
* Harderian Gland	Epithelium	Degeneration	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Vacuolization Cytoplasmic	Mild
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Hyperplasia	Lymphoid, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 2-15]			
[Hyperplasia TGLS = 2-15]			
[Infiltration Cellular TGLS = 2-15]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Moderate
	Alveolus	Hyperplasia	Marked
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Mild
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 717	TRT#: 5	SEX: Female	DAY ON TEST: 762
	DOSE: F1/2PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300717

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Inflammation	Marked
[Inflammation TGLS = 1-6A]			
* Spleen		Pigmentation	Minimal
* Uterus		Hyperplasia	Atypical, Focal, Minimal
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 718	TRT#: 3	SEX: Female	DAY ON TEST: 762
	DOSE: F1 10 PPB	DISP: Terminal Sacrifice	HISTO: 021380300718

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
* Liver	* Lung	* Lymph Node, Mesenteric	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 5-3]			
* Clitoral Gland	Duct	Dilatation	Mild
* Harderian Gland		Hyperplasia	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 2-4]			
* Mammary Gland		Adenocarcinoma	
		Atypical Focus	Mild
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Adenocarcinoma TGLS = 1-15]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Granulosa Cell Tumor Benign	
[Granulosa Cell Tumor Benign TGLS = 3-2B]			
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 4-6A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 718	TRT#: 3	SEX: Female	DAY ON TEST: 762
	DOSE: F1 10 PPB	DISP: Terminal Sacrifice	HISTO: 021380300718

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 7-2]			
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 719

TRT#: 3

SEX: Female

DAY ON TEST: 762

DOSE: F1 10 PPB

DISP: Terminal Sacrifice

HISTO: 021380300719

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	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
[Degeneration TGLS = 8-1]			
* Brain Stem			
Note: TGL 7 - NCL			
* Clitoral Gland		Inflammation	Mild
* Eye	Retina	Degeneration	Mild
* Kidney		Cyst	
		Mineralization	Mild
* Liver		Inflammation	Chronic Active, Minimal
Lymph Node	Lumbar	Degeneration	Cystic, Mild
	Popliteal	Degeneration	Cystic, Moderate
	Lumbar	Hyperplasia	Lymphoid, Mild
	Popliteal	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Marked
	Popliteal	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 5-15C]			
[Degeneration TGLS = 3-15B]			
[Hyperplasia TGLS = 3-15B]			
[Hyperplasia TGLS = 5-15C]			
[Infiltration Cellular TGLS = 3-15B]			
[Infiltration Cellular TGLS = 5-15C]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 719	TRT#: 3	SEX: Female	DAY ON TEST: 762
	DOSE: F1 10 PPB	DISP: Terminal Sacrifice	HISTO: 021380300719

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Minimal
		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Moderate
	[Fibroadenoma TGLS = 1,2-15+15A]		
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Mild
* Pancreas	Acinar Cell	Degeneration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-1]		
* Skin		Inflammation	Marked
	[Inflammation TGLS = 6-6A]		
* Thymus		Cyst	
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 720

TRT#: 6

SEX: Female

DAY ON TEST: 763

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300720

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, Mesenteric
* Oviduct	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 2-1]		Degeneration	Cystic, Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
Lymph Node	Lumbar	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Mild
[Hyperplasia TGLS = 3-15]			
[Infiltration Cellular TGLS = 3-15]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Minimal
	Alveolus	Hyperplasia	Minimal
		Lactation	Minimal
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
		Cyst	
		Hyperplasia	Sertoliform, Minimal
* Pancreas	Acinar Cell	Degeneration	Minimal
* Parathyroid Gland			

Note: No recut attempt per pathologist (Tissue cut away)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 720	TRT#: 6	SEX: Female	DAY ON TEST: 763
	DOSE: F1/10PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300720

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Skin [Inflammation TGLS = 4-6A]		Inflammation	Marked
* Spleen		Pigmentation	Minimal
* Thymus		Cyst	
* Uterus	Endometrium	Adenoma	
	Endometrium	Hyperplasia	Cystic, Minimal
	Endometrium	Hyperplasia	Mild
[Adenoma TGLS = 1-2]			
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 721

TRT#: 6

SEX: Female

DAY ON TEST: 762

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300721

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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, Mesenteric	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 7-1]		Degeneration	Cystic, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Brain, Brain Stem		Compression	Moderate
		Hemorrhage	Mild
Note: TGL 10 - NST			
Note: TGL 11 - noted grossly as Brain is Pituitary Gland			
Note: Mild hemorrhage is the likely lesion noted grossly as TGL 10 that was not seen by the trimmer.			
[Compression TGLS = 9-3]			
* Clitoral Gland [Inflammation TGLS = 3-2A]		Inflammation	Mild
* Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Mild
* Liver		Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mandibular [Infiltration Cellular TGLS = 5-4]		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Mild
		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Marked
[Fibroadenoma TGLS = 2,4,6-15+15A+15B]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 721	TRT#: 6	SEX: Female	DAY ON TEST: 762
	DOSE: F1/10PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300721

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 8,11-1+3A]	Pars Distalis	Adenoma	
* Skin [Inflammation TGLS = 1-6A]		Inflammation	Moderate
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Mild
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 722	TRT#: 4	SEX: Female	DAY ON TEST: 762
	DOSE: F1 50 PPB	DISP: Terminal Sacrifice	HISTO: 021380300722

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* Brain, Cerebellum	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mesenteric
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 3-3]			
* Brain, Cerebrum		Hydrocephalus	Mild
* Liver		Degeneration	Cystic, Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland	Alveolus	Hyperplasia	Moderate
* Nose	Nasolacrim Dct	Inflammation	Moderate
* Ovary		Atrophy	Moderate
		Hyperplasia	Sertoliform, Minimal
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Pigmentation	Moderate
* Thymus		Cyst	
* Trachea		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Marked
[Hyperplasia TGLS = 2-2]			
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 723

TRT#: 7

SEX: Female

DAY ON TEST: 763

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300723

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	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy	Cystic, Moderate Mild
[Degeneration TGLS = 4-1]			
* Clitoral Gland		Inflammation	Moderate
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Eosinophilic Focus Hyperplasia	Mild
		Infiltration Cellular	Lymphocyte, Minimal
Lymph Node	Lumbar	Hyperplasia	Lymphoid, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Hyperplasia TGLS = 5-15B]			
[Infiltration Cellular TGLS = 5-15B]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 3-4]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Moderate
[Fibroadenoma TGLS = 1,2-15+15A]			
* Nose	Olfactory Epi	Hyaline Droplet	Mild
	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 723	TRT#: 7	SEX: Female	DAY ON TEST: 763
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300723

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Hyperplasia Degeneration Inflammation	Sertoliform, Mild Minimal Chronic, Minimal
* Pituitary Gland [Adenoma TGLS = 7-1]	Pars Distalis	Adenoma	
* Skin [Inflammation TGLS = 6-6A]		Inflammation	Marked
* Trachea		Inflammation	Minimal
* Vagina	Mucocyte	Hyperplasia Inflammation	Mild Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 724

TRT#: 7

SEX: Female

DAY ON TEST: 762

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300724

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	* Nose
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Vagina		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Clitoral Gland	Duct	Hyperplasia	Squamous, Moderate
		Inflammation	Moderate
		Keratin Cyst	
[Keratin Cyst TGLS = 4-2A]			
* Heart		Cardiomyopathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Minimal
		Fibroadenoma	Multiple
		Galactocele	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLS = 1,8-15+15C]			
[Galactocele TGLS = 2,3-15A+15B]			
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Skin		Inflammation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 724	TRT#: 7	SEX: Female	DAY ON TEST: 762
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300724

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 6-6A]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Marked
		Ultimobranchial Cyst	Moderate
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 5-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 755

TRT#: 1

SEX: Female

DAY ON TEST: 763

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300755

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* 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	* Kidney	* Lung	* Lymph Node, Mesenteric
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 2-1]		Degeneration	Cystic, Moderate
* Brain, Brain Stem [Compression TGLS = 5-3]		Compression	Mild
* Islets, Pancreatic		Adenoma	
* Liver Note: TGL 3 - NCL	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Degeneration Hyperplasia Infiltration Cellular	Cystic, Mild Lymphoid, Mild Plasma Cell, Mild
* Mammary Gland	Alveolus	Atypical Focus Hyperplasia Inflammation	Minimal Moderate Mild
* Nose		Atrophy	Mild
* Ovary [Cyst TGLS = 1-2B]		Cyst Hyperplasia	Mild Sertoliform, Minimal
* Pituitary Gland [Adenoma TGLS = 4-1]	Pars Distalis	Adenoma	
* Spleen	Red Pulp	Atrophy Pigmentation	Mild Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 755

TRT#: 1

SEX: Female

DAY ON TEST: 763

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300755

ORGAN AND ACCOUNTABLE SITE STATUS

* Vagina

Mucocyte

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 756

TRT#: 1

SEX: Female

DAY ON TEST: 763

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300756

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	* Oviduct	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 1-1]		Degeneration	Cystic, Moderate
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular [Hemorrhage TGLS = 4-4] [Infiltration Cellular TGLS = 4-4]		Hemorrhage	Mild
		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Depletion Lymphoid	Mild
* Mammary Gland	Alveolus	Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
		Inflammation	Mild
* Ovary		Atrophy	Mild
		Hyperplasia	Sertoliform, Moderate
* Pancreas	Acinar Cell	Degeneration	Minimal
* Skin [Inflammation TGLS = 2-6A]		Inflammation	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 756	TRT#: 1	SEX: Female	DAY ON TEST: 763
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300756

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus Note: TGL 3 - NCL		Pigmentation	Minimal
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 757

TRT#: 1

SEX: Female

DAY ON TEST: 763

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300757

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	* Nose	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Vagina

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Marked
* Clitoral GI			
Note: TGL 1 - NCL			
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
		Mineralization	Minimal
[Cyst TGLS = 5-11]			
* Liver		Cyst Multilocular	
[Cyst Multilocular TGLS = 3-9A]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Mild
		Pigmentation	Mild
* Mammary Gland		Atypical Focus	Minimal
	Duct	Dilatation	Mild
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 757

TRT#: 1

SEX: Female

DAY ON TEST: 763

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300757

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Inflammation TGLS = 2-6A]	Inflammation	Moderate
* Spleen	Hematopoietic Cell Proliferation Pigmentation	Mild Moderate
* Thymus	Cyst	
* Uterus	Pigmentation	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 758

TRT#: 1

SEX: Female

DAY ON TEST: 763

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300758

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
* Liver	* Lung	* Oviduct	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 3-3]			
* Clitoral Gland	Duct	Dilatation	Mild
[Dilatation TGLS = 2-2A]		Inflammation	Mild
[Inflammation TGLS = 2-2A]			
* Harderian Gland		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 1-4]			
* Lymph Node, Mesenteric		Degeneration	Cystic, Mild
* Mammary Gland	Alveolus	Hyperplasia	Minimal
		Lactation	Minimal
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Sertoli Cell Tumor Benign	
[Sertoli Cell Tumor Benign TGLS = 5-2B]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Pigmentation	Mild
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 758

TRT#: 1

SEX: Female

DAY ON TEST: 763

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300758

ORGAN AND ACCOUNTABLE SITE STATUS

* Vagina

Mucocyte

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 759

TRT#: 1

SEX: Female

DAY ON TEST: 763

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300759

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	* Oviduct	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	
	[Cyst TGLS = 4-11]	Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
	[Infiltration Cellular TGLS = 3-4]	Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Mild
	Alveolus	Fibroadenoma	Multiple
		Hyperplasia	Moderate
	[Fibroadenoma TGLS = 1,2-15+15A]	Lactation	Mild
* Nose	Olfactory Epi	Hyaline Droplet	Moderate
* Ovary		Atrophy	Moderate
		Cyst	
		Hyperplasia	Sertoliform, Mild
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 759	TRT#: 1	SEX: Female	DAY ON TEST: 763
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300759

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 6-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 5-6A]			
* Spleen		Pigmentation	Mild
* Uterus		Hyperplasia	Atypical, Focal, Minimal
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 760

TRT#: 1

SEX: Female

DAY ON TEST: 763

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300760

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
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 3-1]		Degeneration	Cystic, Marked
* Clitoral Gland		Inflammation	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Mild
		Fibroadenoma	
		Galactocele	
	Alveolus	Hyperplasia	Mild
* Nose	Olfactory Epi	Hyaline Droplet	Minimal
	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Mild
		Cyst	
Note: Leutenization of cyst wall is present [Cyst TGLS = 2-2B]			
* Pituitary Gland [Adenoma TGLS = 4-1]	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 760

TRT#: 1

SEX: Female

DAY ON TEST: 763

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300760

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Pigmentation	Mild
* Uterus	Inflammation	Mild
* Vagina	Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 761

TRT#: 1

SEX: Female

DAY ON TEST: 763

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300761

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	* Liver	* Lung	* Lymph Node, Mesenteric
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 5-1]		Degeneration	Cystic, Moderate
* Brain, Brain Stem [Compression TGLS = 4-3]		Compression	Mild
* Clitoral Gland		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
Lymph Node [Hyperplasia TGLS = 2-15A] [Infiltration Cellular TGLS = 2-15A]	Popliteal Popliteal	Hyperplasia Infiltration Cellular	Lymphoid, Mild Plasma Cell, Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland [Fibroadenoma TGLS = 1-15]	Alveolus	Fibroadenoma Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy Hyperplasia	Minimal Sertoliform, Minimal
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland [Adenoma TGLS = 3-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 761

TRT#: 1

SEX: Female

DAY ON TEST: 763

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300761

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Endometrium	Hyperplasia	Mild
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 762

TRT#: 1

SEX: Female

DAY ON TEST: 762

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300762

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	* Lung	* Lymph Node, Mesenteric
* Nose	* Oviduct	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Adrenal Medulla

OBSERVATIONS

* Adren Medulla

Note: No recut attempt per pathologist (Medulla destroyed by TGL 2)

* Adrenal Cortex

[Degeneration TGLS = 2-1]

Degeneration

Cystic, Marked

* Kidney

Hemorrhage

Moderate

Inflammation

Mild

* Liver

Bile Duct

Hyperplasia

Mild

Periportal

Inflammation

Chronic, Minimal

Lymph Node

Lumbar

Degeneration

Cystic, Moderate

Lumbar

Infiltration Cellular

Plasma Cell, Moderate

[Degeneration TGLS = 3-15]

[Infiltration Cellular TGLS = 3-15]

* Lymph Node, Mandibular

Degeneration

Cystic, Marked

Infiltration Cellular

Plasma Cell, Moderate

[Degeneration TGLS = 1-4]

* Mammary Gland

Atypical Focus

Mild

Alveolus

Hyperplasia

Mild

* Ovary

Atrophy

Mild

* Pituitary Gland

Pars Distalis

Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 762	TRT#: 1	SEX: Female	DAY ON TEST: 762
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300762

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 4-6A]			
* Spleen		Pigmentation	Mild
* Uterus		Atrophy	Mild
[Atrophy TGLS = 6-2]			
* Vagina	Mucocyte	Hyperplasia	Mild
		Inflammation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 763

TRT#: 1

SEX: Female

DAY ON TEST: 762

DOSE: F1 0PPB

DISP: Terminal Sacrifice

HISTO: 021380300763

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, Mesenteric	* Oviduct	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Moderate
[Compression TGLS = 9-3]			
* Clitoral Gland	Duct	Hyperplasia	Squamous, Marked
		Inflammation	Moderate
[Hyperplasia TGLS = 4-2A]			
[Inflammation TGLS = 4-2A]			
* Harderian Gland		Atrophy	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
[Angiectasis TGLS = 10-9]			
[Hepatodiaphragmatic Nodule TGLS = 10-9]			
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Hyperplasia	Lymphoid, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 7-15B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 763	TRT#: 1	SEX: Female	DAY ON TEST: 762
	DOSE: F1 0PPB	DISP: Terminal Sacrifice	HISTO: 021380300763

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 7-15B] [Infiltration Cellular TGLS = 7-15B]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Adenocarcinoma	Multiple
	Alveolus	Hyperplasia	Minimal
		Lactation	Mild
[Adenocarcinoma TGLS = 2,3-15+15A]			
* Nose	Goblet Cell	Hyperplasia	Moderate
	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
		Cyst	
		Hyperplasia	Sertoliform, Minimal
[Cyst TGLS = 5-2B]			
* Pancreas	Acinar Cell	Degeneration	Mild
* Parathyroid Gland			
Note: Recut attempted			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 1-6A]			
* Spleen		Pigmentation	Minimal
* Thyroid Gland	C Cell	Adenoma	
		Inflammation	Chronic, Minimal
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 6-2]			
* Vagina	Mucocyte	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94

Test Type: SPECIAL STUDY

Route: DOSED FEED

Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 13:21:48

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 764

TRT#: 2

DOSE: F1 2PPB

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 762

HISTO: 021380300764

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, Mesenteric	* Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Brain, Brain Stem		Compression	Mild
[Compression TGLS = 9-3]			
* Clitoral Gland		Inflammation	Mild
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	
Lymph Node	Lumbar	Degeneration	Cystic, Mild
	Lumbar	Hyperplasia	Lymphoid, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 7-15C]			
[Hyperplasia TGLS = 7-15C]			
[Infiltration Cellular TGLS = 7-15C]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Plasma Cell, Moderate
[Hyperplasia TGLS = 5-4]			
[Infiltration Cellular TGLS = 5-4]			
* Mammary Gland		Adenocarcinoma	
		Fibroadenoma	Multiple
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Adenocarcinoma TGLS = 2-15]			
[Fibroadenoma TGLS = 3,4-15A+15B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 764	TRT#: 2	SEX: Female	DAY ON TEST: 762
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300764

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Goblet Cell	Hyperplasia	Mild
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 10-1]			
* Skin		Inflammation	Moderate
[Inflammation TGLS = 1-6A]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
Note: TGL 6 - noted grossly as Uterus, cervix is Vagina			
[Hyperplasia TGLS = 8-2]			
* Vagina		Polyp	
[Polyp TGLS = 6-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 765

TRT#: 2

SEX: Female

DAY ON TEST: 762

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300765

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* 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, Mesenteric	* Oviduct
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 5-1]		Degeneration	Cystic, Mild
* Brain, Brain Stem [Compression TGLS = 8-3]		Compression	Mild
* Kidney [Cyst TGLS = 4-11]		Cyst Mineralization	Minimal
* Liver * Lung [Infiltration Cellular TGLS = 9-10]	Bile Duct	Hyperplasia Infiltration Cellular	Minimal Histiocyte, Mild
* Lymph Node, Mandibular [Hyperplasia TGLS = 6-4] [Infiltration Cellular TGLS = 6-4]		Hyperplasia Infiltration Cellular	Lymphoid, Mild Plasma Cell, Mild
* Mammary Gland [Fibroadenoma TGLS = 2,3-15+15A]	Alveolus	Fibroadenoma Hyperplasia	Multiple Moderate
* Nose	Nasolacrim Dct	Inflammation Inflammation	Mild Minimal
* Ovary		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 765	TRT#: 2	SEX: Female	DAY ON TEST: 762
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300765

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Degeneration	Minimal
* Parathyroid Gland Note: Recut attempted			
* Pituitary Gland [Adenoma TGLS = 7-1]	Pars Distalis	Adenoma	
* Skin [Inflammation TGLS = 1-6A]		Inflammation	Marked
* Spleen		Pigmentation	Mild
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 766

TRT#: 2

SEX: Female

DAY ON TEST: 762

DOSE: F1 2PPB

DISP: Terminal Sacrifice

HISTO: 021380300766

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Bone, Femur
* 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	* Liver	* Lung	* Lymph Node, Mesenteric
* Oviduct	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 2-1]		Degeneration	Cystic, Moderate
* Brain, Brain Stem [Compression TGLS = 4-3]		Compression	Moderate
* Harderian Gland		Inflammation	Minimal
* Kidney		Cyst	
		Mineralization	Mild
		Nephropathy	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Atypical Focus	Mild
	Alveolus	Hyperplasia	Moderate
		Lactation	Mild
* Nose	Olfactory Epi	Hyaline Droplet	Minimal
	Goblet Cell	Hyperplasia	Minimal
* Ovary		Atrophy	Marked
		Hyperplasia	Sertoliform, Mild
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland [Adenoma TGLS = 3-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Mild
* Thymus		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 766	TRT#: 2	SEX: Female	DAY ON TEST: 762
	DOSE: F1 2PPB	DISP: Terminal Sacrifice	HISTO: 021380300766

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus [Hyperplasia TGLS = 1-2]	Endometrium	Hyperplasia	Cystic, Moderate
* Vagina	Mucocyte	Hyperplasia Inflammation	Minimal Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 767

TRT#: 5

SEX: Female

DAY ON TEST: 762

DOSE: F1/2PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300767

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, Mesenteric	* Oviduct
* Pancreas	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 7-1]		Degeneration	Cystic, Minimal
* Clitoral Gland		Inflammation	Mild
* Kidney Note: Wet tissue requested for TGL 11 on slide 11A [Cyst TGLS = 1-11A]		Cyst	
* Liver		Hepatocellular Adenoma	
* Lung [Infiltration Cellular TGLS = 8-10]		Infiltration Cellular Inflammation	Histiocyte, Mild Minimal
* Lym Node Mesen Note: TGL 6 - NCL Lymph Node [Carcinoma TGLS = 2-15] [Infiltration Cellular TGLS = 4-15A]	Deep Cervical Lumbar	Carcinoma Infiltration Cellular	Metastatic (Thyroid Gland) Plasma Cell, Moderate
* Lymph Node, Mandibular [Infiltration Cellular TGLS = 9-4]		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Alveolus	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 767	TRT#: 5 DOSE: F1/2PPB TO CTL	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 762 HISTO: 021380300767
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ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Nasolacrim Dct	Inflammation Inflammation	Mild Moderate
* Ovary		Atrophy Hyperplasia	Mild Sertoliform, Minimal
* Parathyroid Gland			
Note: Recut attempted			
* Skin		Inflammation	Marked
[Inflammation TGLS = 5-6A]			
* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 3-5]			
* Vagina	Mucocyte	Hyperplasia Inflammation	Mild Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 768

TRT#: 3

SEX: Female

DAY ON TEST: 763

DOSE: F1 10 PPB

DISP: Terminal Sacrifice

HISTO: 021380300768

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	* Liver
* Lung	* Lymph Node, Mesenteric	* Nose	* Oviduct
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain Stem			
Note: TGL 5 - NCL			
* Clitoral Gland		Inflammation	Moderate
Lymph Node	Lumbar	Hyperplasia	Lymphoid, Moderate
	Popliteal	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
	Popliteal	Infiltration Cellular	Plasma Cell, Marked
[Hyperplasia TGLS = 3-15B]			
[Hyperplasia TGLS = 2-15A]			
[Infiltration Cellular TGLS = 3-15B]			
[Infiltration Cellular TGLS = 2-15A]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Atypical Focus	Mild
		Fibroadenoma	
	Alveolus	Hyperplasia	Mild
		Lactation	Mild
[Fibroadenoma TGLS = 1-15]			
* Ovary		Atrophy	Moderate
		Hyperplasia	Sertoliform, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 768	TRT#: 3	SEX: Female	DAY ON TEST: 763
	DOSE: F1 10 PPB	DISP: Terminal Sacrifice	HISTO: 021380300768

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Degeneration	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Pigmentation	Minimal
* Uterus		Hyperplasia	Atypical, Focal, Minimal
* Vagina	Mucocyte	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 769

TRT#: 6

SEX: Female

DAY ON TEST: 763

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300769

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	* Kidney	* Lung	* Lymph Node, Mesenteric
* Nose	* Oviduct	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Clitoral Gland	Duct	Dilatation	Moderate
		Inflammation	Moderate
[Dilatation TGLS = 2-2A]			
[Inflammation TGLS = 2-2A]			
* Harderian Gland		Inflammation	Minimal
* Liver		Vacuolization Cytoplasmic	Mild
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Hyperplasia	Lymphoid, Moderate
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 6-15A]			
[Hyperplasia TGLS = 6-15A]			
[Infiltration Cellular TGLS = 6-15A]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 3-4]			
* Mammary Gland		Galactocele	
		Lactation	Minimal
[Galactocele TGLS = 1-15]			
* Ovary		Atrophy	Marked
* Pancreas	Acinar Cell	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 769

TRT#: 6

SEX: Female

DAY ON TEST: 763

DOSE: F1/10PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300769

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Inflammation TGLS = 5-6A]	Inflammation	Marked
* Spleen	Hematopoietic Cell Proliferation	Mild
* Thymus	Cyst	
* Uterus [Polyp Stromal TGLS = 4-2]	Metaplasia Polyp Stromal	Squamous, Minimal
* Vagina	Inflammation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 770

TRT#: 4

SEX: Female

DAY ON TEST: 756

DOSE: F1 50 PPB

DISP: Terminal Sacrifice

HISTO: 021380300770

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	* Oviduct	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 4-1]		Degeneration	Cystic, Moderate
* Brain, Brain Stem [Compression TGLS = 6-3]		Compression	Mild
* Clitoral Gland		Inflammation	Mild
* Kidney		Cyst	
		Mineralization	Mild
		Nephropathy	Minimal
* Liver [Hepatocellular Adenoma TGLS = 5-9]		Eosinophilic Focus	
		Hepatocellular Adenoma	
* Lung	Perivascular	Inflammation	Minimal
* Lymph Node, Mandibular [Infiltration Cellular TGLS = 1-4]		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Degeneration	Cystic, Mild
* Mammary Gland		Atypical Focus	Moderate
		Fibroadenoma	Multiple
Note: Small Fibroadenoma present in Mammary tissue on slide 6. [Fibroadenoma TGLS = 2-15]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Cyst	
		Hyperplasia	Sertoliform, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 770	TRT#: 4	SEX: Female	DAY ON TEST: 756
	DOSE: F1 50 PPB	DISP: Terminal Sacrifice	HISTO: 021380300770

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 3-2B]			
* Pancreas	Acinar Cell	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Spleen		Pigmentation	Moderate
* Trachea		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Hyperplasia	Mild
[Hyperplasia TGLS = 8-2]			
* Vagina	Mucocyte	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 771

TRT#: 7

SEX: Female

DAY ON TEST: 763

DOSE: F1/50PPB TO CTL

DISP: Terminal Sacrifice

HISTO: 021380300771

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, Mesenteric
* Oviduct	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Harderian Gland		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
Lymph Node	Lumbar	Degeneration	Cystic, Moderate
	Lumbar	Hyperplasia	Lymphoid, Mild
	Lumbar	Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 3-15]			
[Hyperplasia TGLS = 3-15]			
[Infiltration Cellular TGLS = 3-15]			
* Lymph Node, Mandibular		Degeneration	Cystic, Mild
		Infiltration Cellular	Plasma Cell, Moderate
[Degeneration TGLS = 1-4]			
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland	Alveolus	Hyperplasia	Moderate
* Nose	Nasolacrim Dct	Inflammation	Mild
		Inflammation	Moderate
* Ovary		Atrophy	Mild
		Cyst	
		Hyperplasia	Sertoliform, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99920-94
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 13:21:48
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 771	TRT#: 7	SEX: Female	DAY ON TEST: 763
	DOSE: F1/50PPB TO CTL	DISP: Terminal Sacrifice	HISTO: 021380300771

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 2-2B]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Skin		Inflammation	Marked
[Inflammation TGLS = 4-6A]			
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Mild
* Vagina	Mucocyte	Hyperplasia	Moderate
		Inflammation	Mild

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE